

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040120\
 Data File : VN060811.D
 Acq On : 1 Apr 2020 15:38
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/2/2020 10:13:58 AM

Quant Time: Apr 02 09:26:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	196614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	325198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	298959	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148677	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	127206	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
35) Dibromofluoromethane	7.56	113	96851	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.08	98	385421	47.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.98%	
62) 4-Bromofluorobenzene	12.40	95	145609	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	82040	43.124	ug/l	100
3) Chloromethane	2.04	50	142764	40.180	ug/l	98
4) Vinyl Chloride	2.17	62	113734	40.925	ug/l	98
5) Bromomethane	2.54	94	56909	47.437	ug/l	98
6) Chloroethane	2.68	64	72025	44.991	ug/l	100
7) Trichlorofluoromethane	3.00	101	154881	45.242	ug/l	98
8) Diethyl Ether	3.38	74	65796	47.843	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	95619	48.203	ug/l	99
10) Methyl Iodide	3.93	142	83777	47.462	ug/l	99
11) Tert butyl alcohol	4.72	59	96399	242.851	ug/l	99
12) 1,1-Dichloroethene	3.71	96	93194	43.779	ug/l	96
13) Acrolein	3.57	56	105889	240.693	ug/l	99
14) Allyl chloride	4.29	41	172795	46.153	ug/l	99
15) Acrylonitrile	4.94	53	279948	239.834	ug/l	100
16) Acetone	3.77	43	235558	246.383	ug/l	99
17) Carbon Disulfide	4.03	76	268718	41.507	ug/l	100
18) Methyl Acetate	4.28	43	131511	48.869	ug/l	100
19) Methyl tert-butyl Ether	5.00	73	340538	46.529	ug/l	98
20) Methylene Chloride	4.52	84	108560	46.159	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	102731	45.281	ug/l	100
22) Diisopropyl ether	5.91	45	384839	48.653	ug/l	98
23) Vinyl Acetate	5.85	43	1593939	246.979	ug/l	99
24) 1,1-Dichloroethane	5.81	63	204204	47.357	ug/l	99
25) 2-Butanone	6.79	43	373671	241.534	ug/l	99
26) 2,2-Dichloropropane	6.79	77	173510	51.143	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	119769	46.455	ug/l	98
28) Bromochloromethane	7.17	49	98512	47.750	ug/l	99
29) Tetrahydrofuran	7.17	42	253004	231.135	ug/l	99
30) Chloroform	7.34	83	196819	47.612	ug/l	98
31) Cyclohexane	7.63	56	190268	43.768	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	166932	46.844	ug/l	99
36) 1,1-Dichloropropene	7.77	75	149972	47.626	ug/l	100
37) Ethyl Acetate	6.89	43	160372	47.134	ug/l	100
38) Carbon Tetrachloride	7.75	117	134551	47.675	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	181468	48.494	ug/l	99
40) Benzene	8.02	78	451118	47.457	ug/l	100
41) Methacrylonitrile	7.14	41	69932m	48.160	ug/l	
42) 1,2-Dichloroethane	8.10	62	154758	47.638	ug/l	100
43) Isopropyl Acetate	8.14	43	269026	47.943	ug/l	100
44) Trichloroethene	8.82	130	112545	46.966	ug/l	98
45) 1,2-Dichloropropane	9.10	63	122993	49.035	ug/l	98
46) Dibromomethane	9.19	93	73590	48.529	ug/l	99
47) Bromodichloromethane	9.38	83	153737	48.788	ug/l	100
48) Methyl methacrylate	9.18	41	122538	49.048	ug/l	99
49) 1,4-Dioxane	9.18	88	33863	1140.337	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	788479	246.932	ug/l	100
52) Toluene	10.14	92	271871	47.357	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	180430	49.848	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	194522	48.987	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	106195	48.083	ug/l	99
56) Ethyl methacrylate	10.42	69	169751	49.293	ug/l	98
57) 1,3-Dichloropropane	10.70	76	185859	48.494	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	401563	234.617	ug/l	100
59) 2-Hexanone	10.74	43	570316	247.946	ug/l	99
60) Dibromochloromethane	10.89	129	113721	49.848	ug/l	99
61) 1,2-Dibromoethane	10.99	107	108258	48.746	ug/l	99
64) Tetrachloroethene	10.62	164	105303	44.761	ug/l	99
65) Chlorobenzene	11.43	112	282047	47.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	104209	48.564	ug/l	98
67) Ethyl Benzene	11.50	91	532043	48.274	ug/l	100
68) m/p-Xylenes	11.62	106	389882	95.195	ug/l	98
69) o-Xylene	11.94	106	186649	47.740	ug/l	99
70) Styrene	11.96	104	312746	48.910	ug/l	100
71) Bromoform	12.12	173	80799	45.463	ug/l #	99
73) Isopropylbenzene	12.25	105	508118	45.540	ug/l	100
74) N-amyl acetate	12.06	43	232568	45.108	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	156153	46.279	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	130784m	40.766	ug/l	
77) Bromobenzene	12.52	156	120271	44.734	ug/l	99
78) n-propylbenzene	12.59	91	607913	46.117	ug/l	100
79) 2-Chlorotoluene	12.67	91	351829	44.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	433200	45.751	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	58359	46.720	ug/l	99
82) 4-Chlorotoluene	12.77	91	365745	45.594	ug/l	99
83) tert-Butylbenzene	12.99	119	357531	45.550	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	427760	45.665	ug/l	99
85) sec-Butylbenzene	13.17	105	496484	47.038	ug/l	100
86) p-Isopropyltoluene	13.29	119	448416	47.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	219872	46.368	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	217407	45.634	ug/l	99
89) n-Butylbenzene	13.61	91	418048	48.785	ug/l	100
90) Hexachloroethane	13.87	117	70355	50.996	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	213742	47.140	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32003	45.258	ug/l	97

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Mar 18 08:49:09 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	134110	48.165	ug/l	100
94) Hexachlorobutadiene	15.01	225	67052	49.123	ug/l	100
95) Naphthalene	15.13	128	373686	44.620	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127430	46.463	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

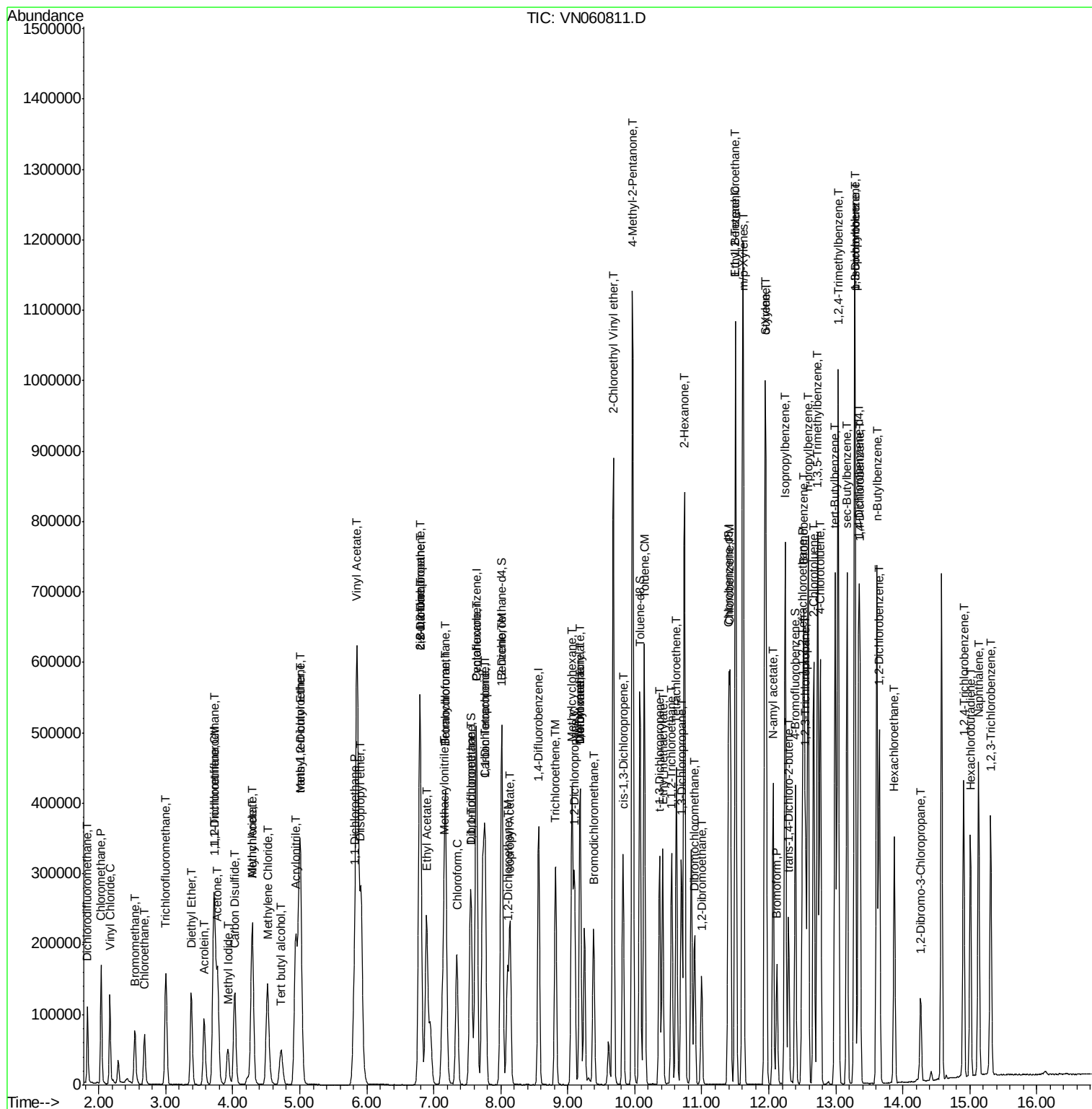
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN040120\
Data File : VN060811.D
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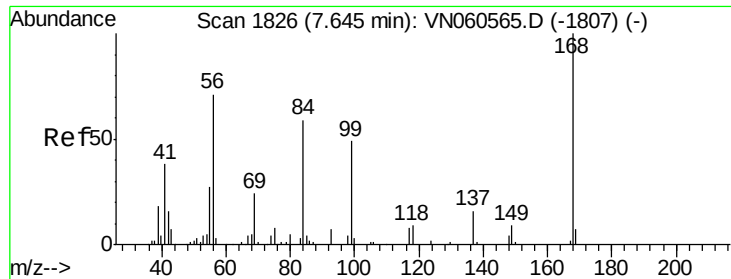
Instrument :
MSVOA_N
Client Sample Id :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 196614

Ion Ratio Lower Upper

168 100

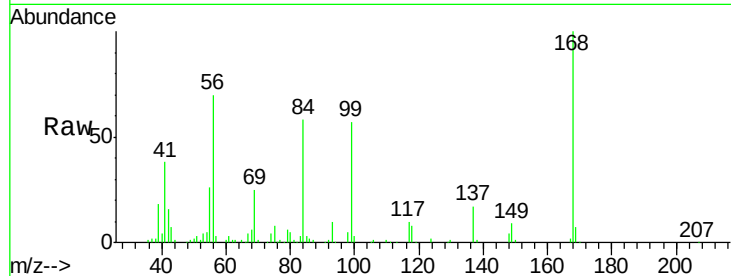
99 56.6 44.0 66.0

Manual Integrations

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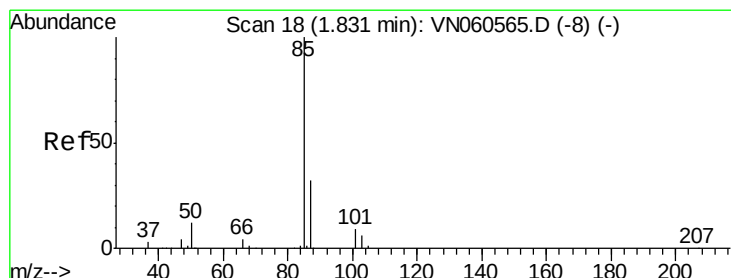
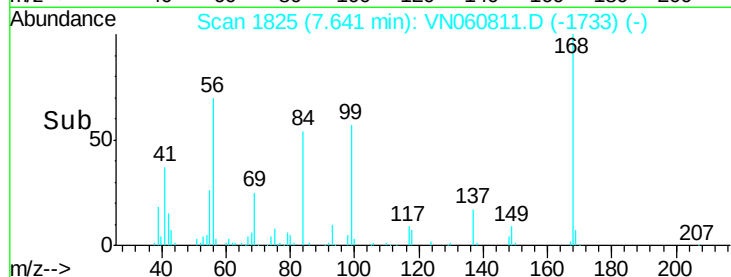
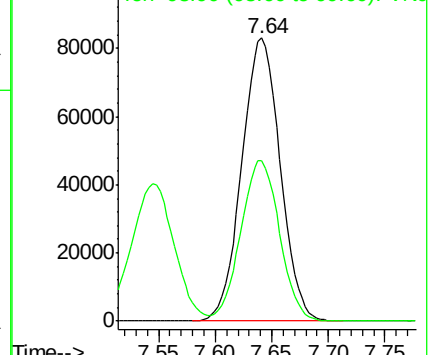
MMDadoda

4/2/2020 10:13:58 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 43.124 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN060811.D

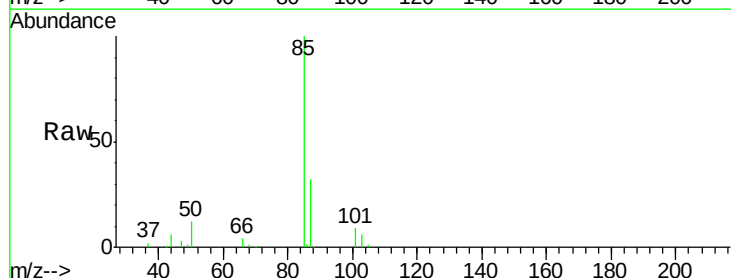
Acq: 1 Apr 2020 15:38

Tgt Ion: 85 Resp: 82040

Ion Ratio Lower Upper

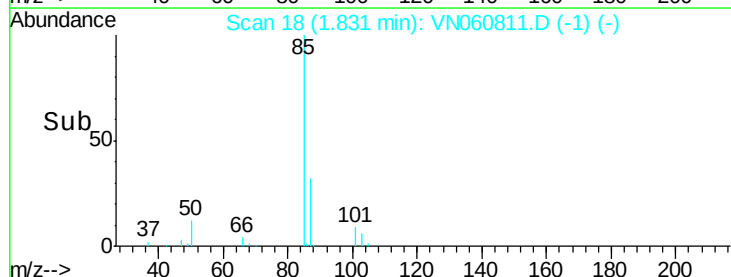
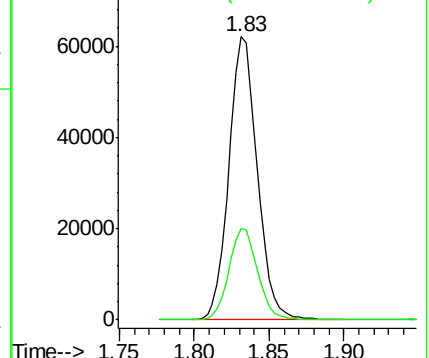
85 100

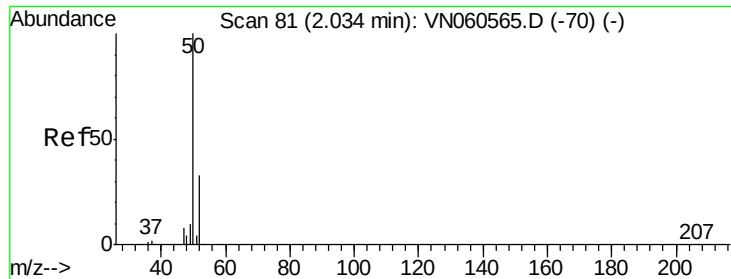
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 40.180 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 142764

Ion Ratio Lower Upper

50 100

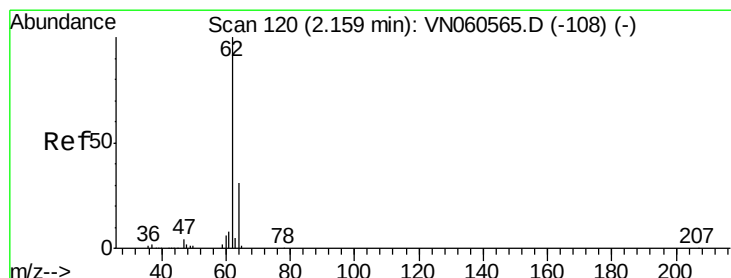
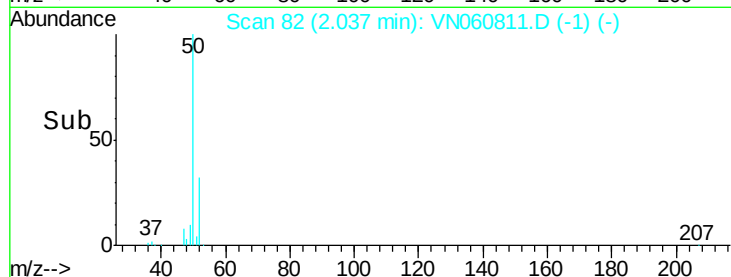
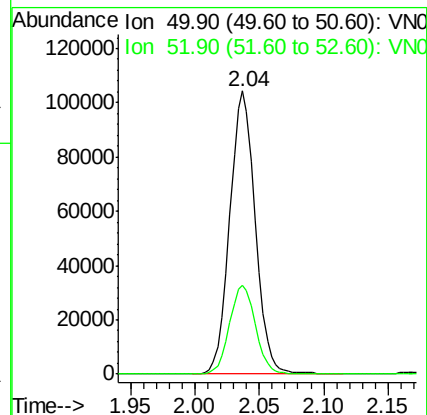
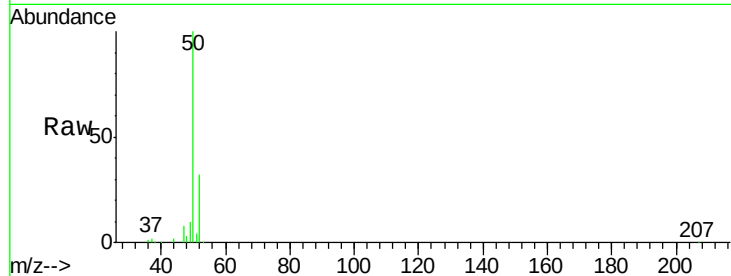
52 31.6 26.2 39.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.925 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.01 min

Lab File: VN060811.D

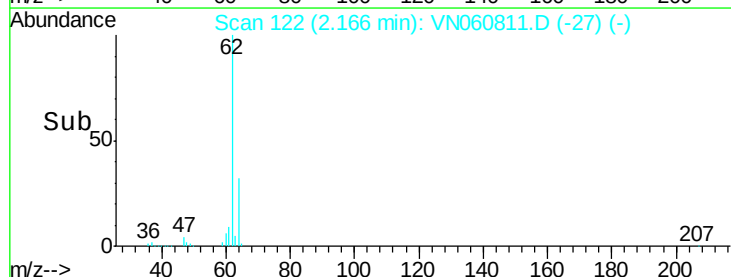
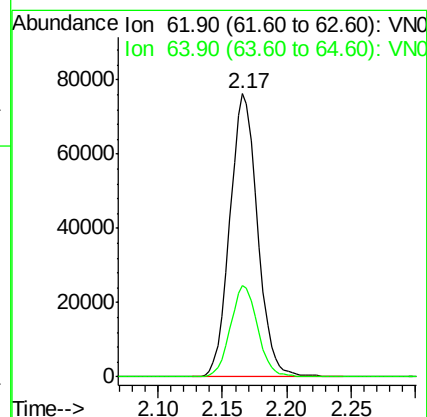
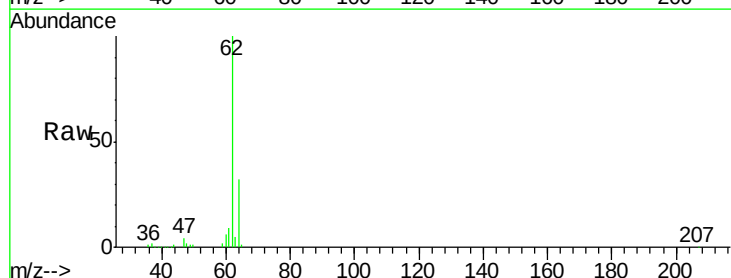
Acq: 1 Apr 2020 15:38

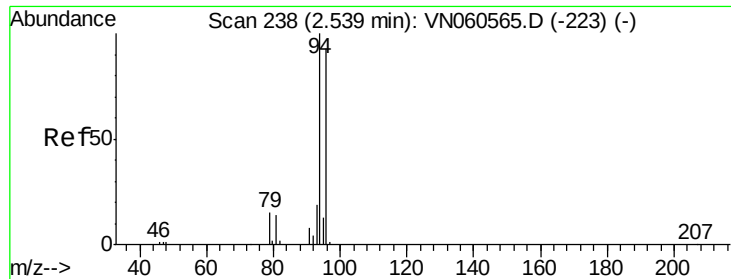
Tgt Ion: 62 Resp: 113734

Ion Ratio Lower Upper

62 100

64 32.2 24.7 37.1





#5

Bromomethane

Concen: 47.437 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

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Tot Ion: 94 Resp: 56909

Ion Ratio Lower Upper

94 100

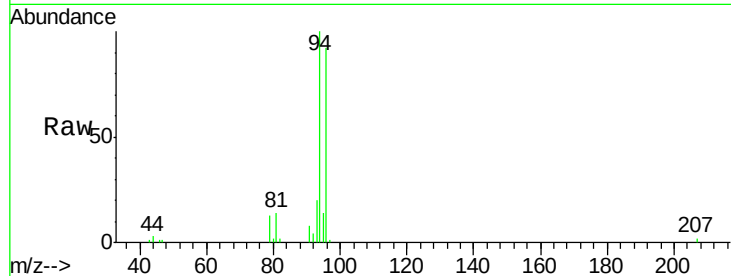
96 91.6 74.6 112.0

Manual Integrations

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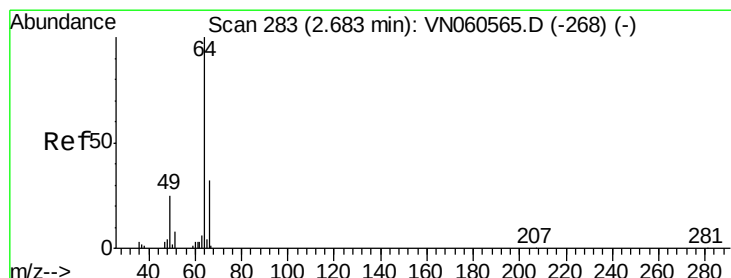
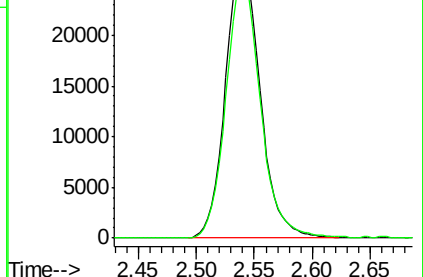
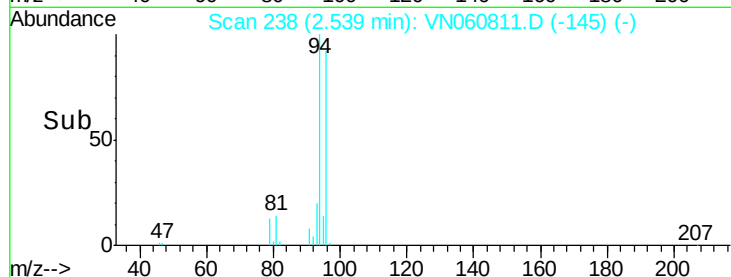


Abundance Ion 93.90 (93.60 to 94.60): VN060811.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN060811.D (-145) (-)

2.54

Time-->



#6

Chloroethane

Concen: 44.991 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN060811.D

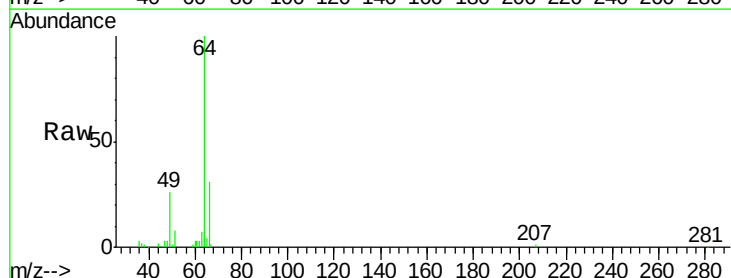
Acq: 1 Apr 2020 15:38

Tgt Ion: 64 Resp: 72025

Ion Ratio Lower Upper

64 100

66 31.5 25.3 37.9

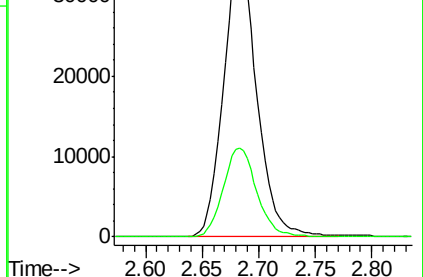
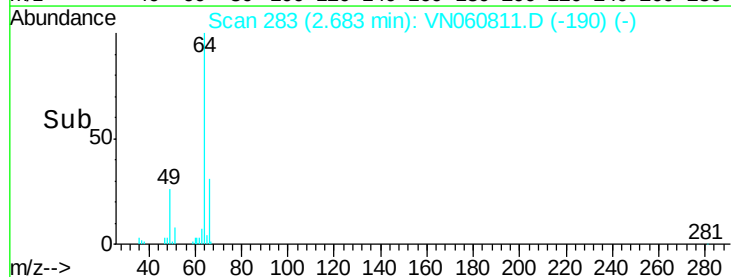


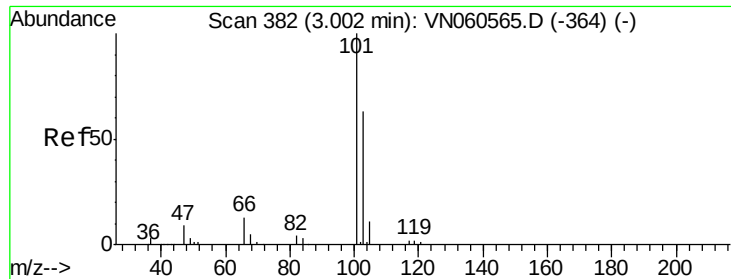
Abundance Ion 63.90 (63.60 to 64.60): VN060811.D (-190) (-)

Ion 65.90 (65.60 to 66.60): VN060811.D (-190) (-)

2.68

Time-->





#7

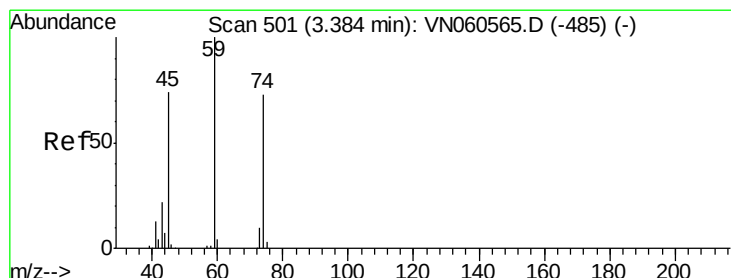
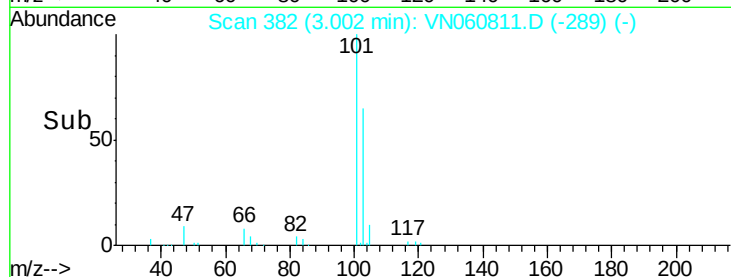
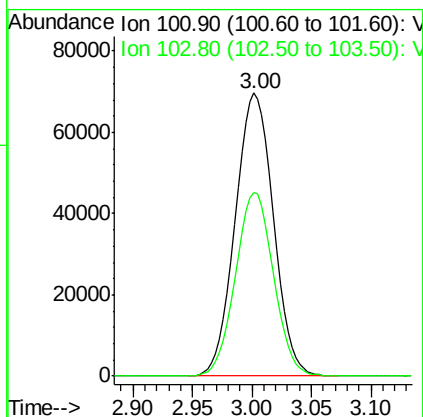
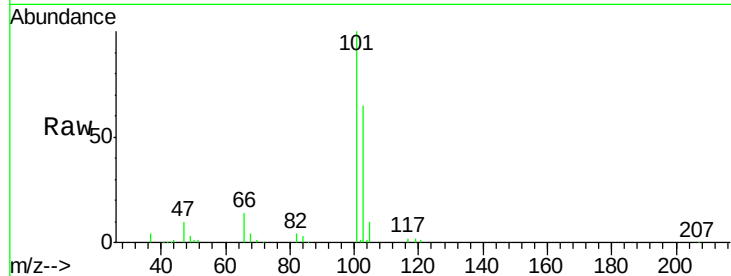
Trichlorofluoromethane
Concen: 45.242 ug/l
RT: 3.00 min Scan# 382
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.6	76.0

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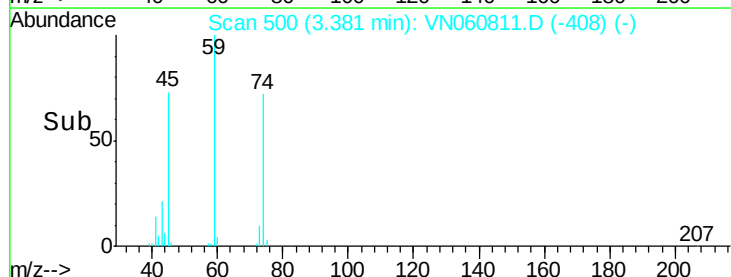
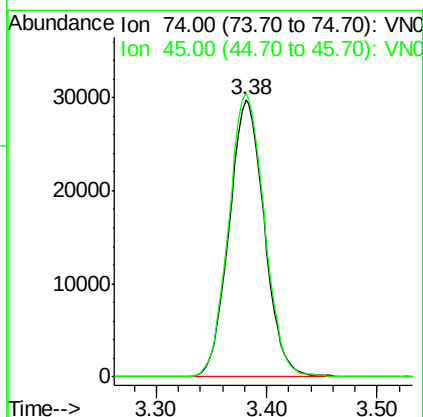
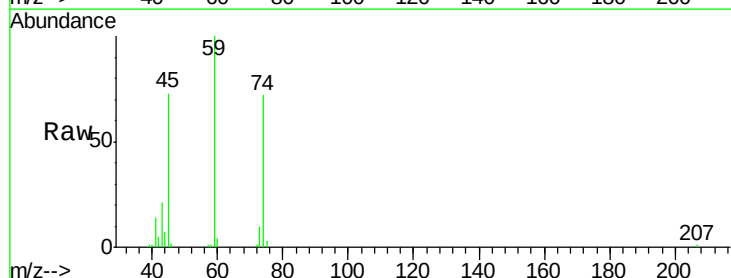
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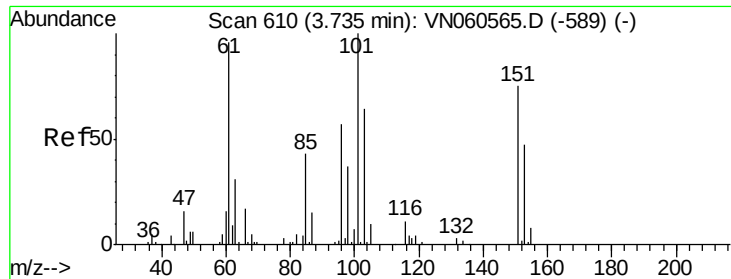


#8

Diethyl Ether
Concen: 47.843 ug/l
RT: 3.38 min Scan# 500
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.1	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.203 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

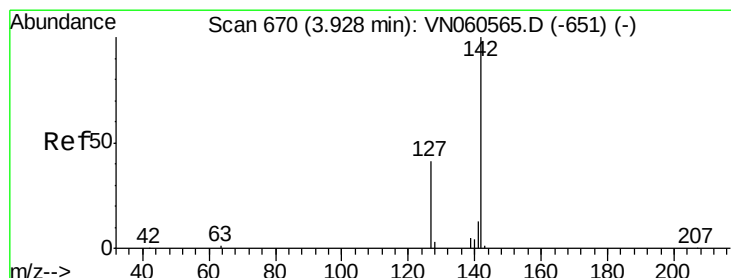
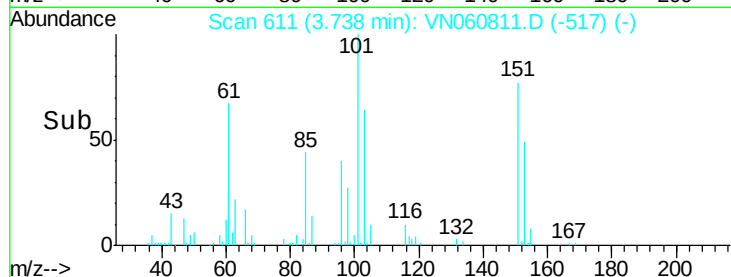
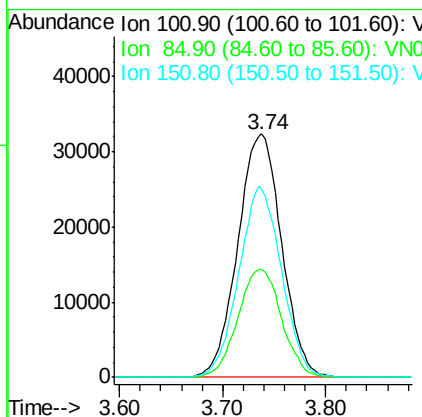
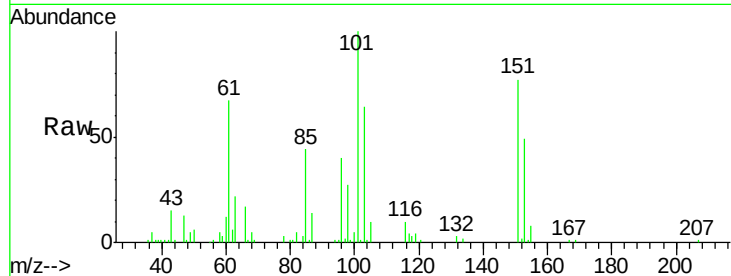
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	95619
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.6	53.4
151	76.3	61.4	92.2

Manual Integrations
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MMDadoda
4/2/2020 10:13:58 AM



#10

Methyl Iodide

Concen: 47.462 ug/l

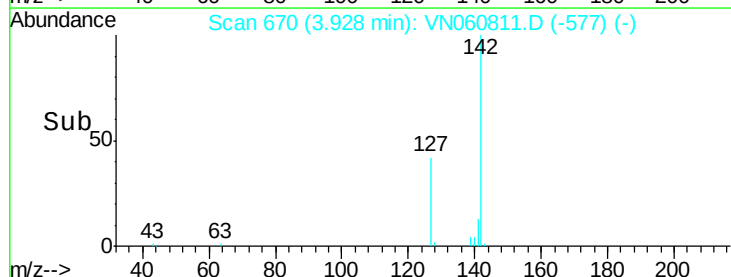
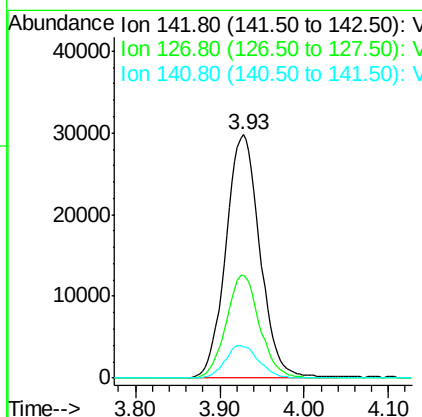
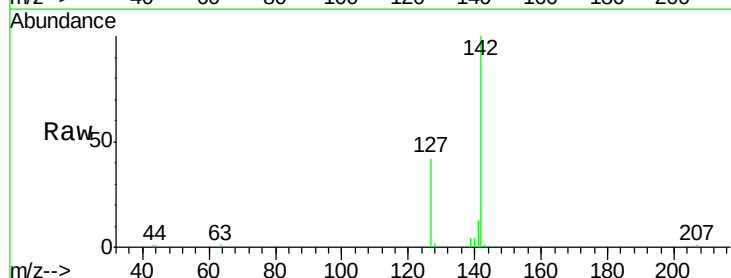
RT: 3.93 min Scan# 670

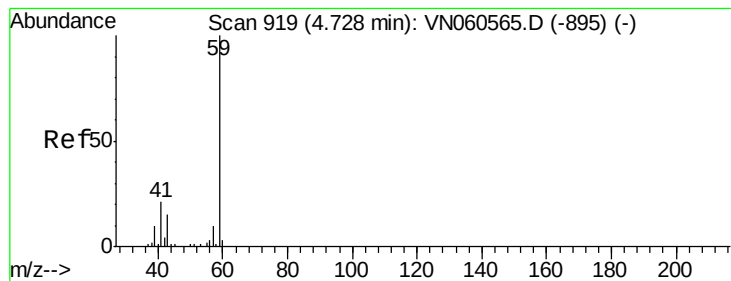
Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	142	Resp:	83777
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.5	50.3
141	13.1	11.0	16.6





#11

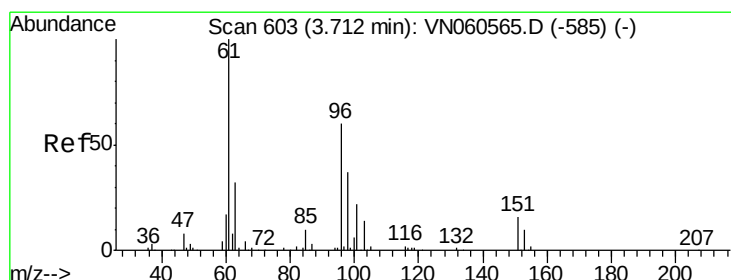
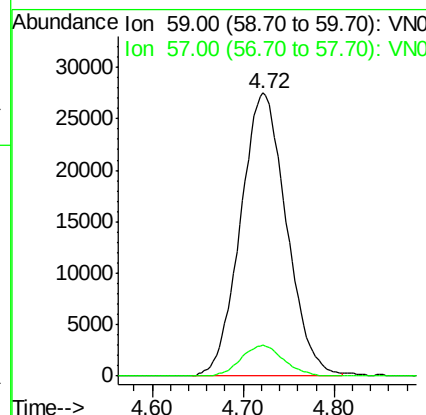
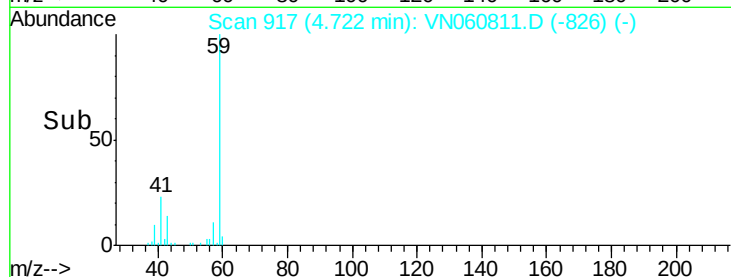
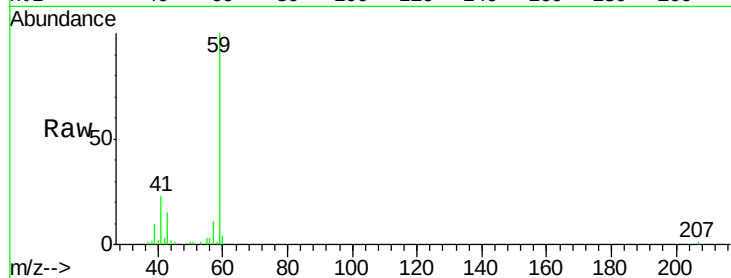
Tert butyl alcohol
Concen: 242.851 ug/l
RT: 4.72 min Scan# 917
Delta R.T. -0.01 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.2	12.4

Manual Integrations
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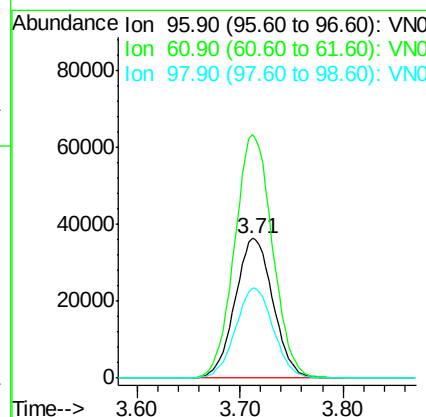
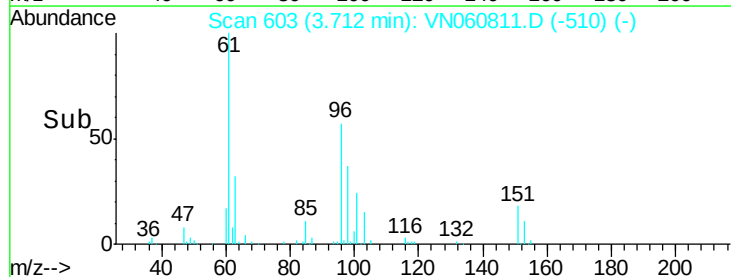
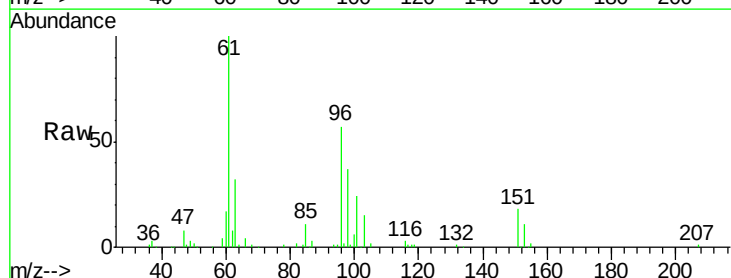
MMDadoda
4/2/2020 10:13:58 AM

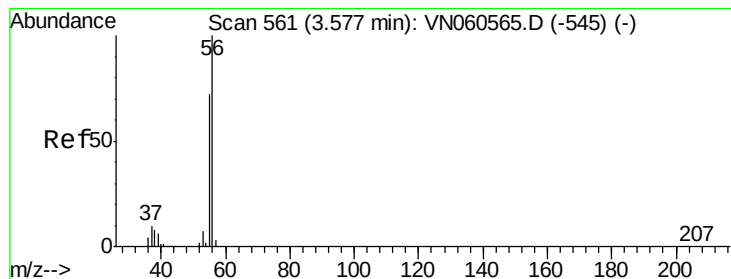


#12

1,1-Dichloroethene
Concen: 43.779 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.2	134.1	201.1
98	64.4	49.9	74.9





#13

Acrolein

Concen: 240.693 ug/l

RT: 3.57 min Scan# 559

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 105889

Ion Ratio Lower Upper

56 100

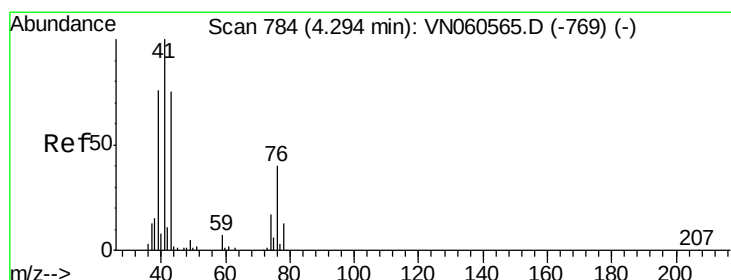
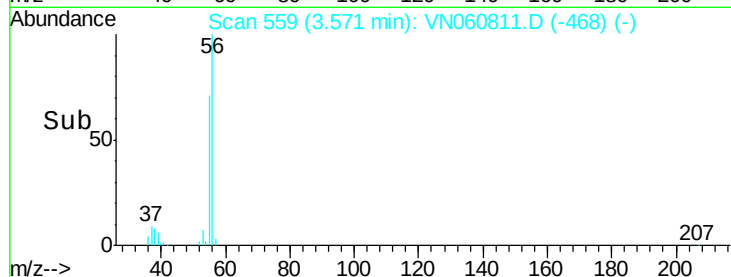
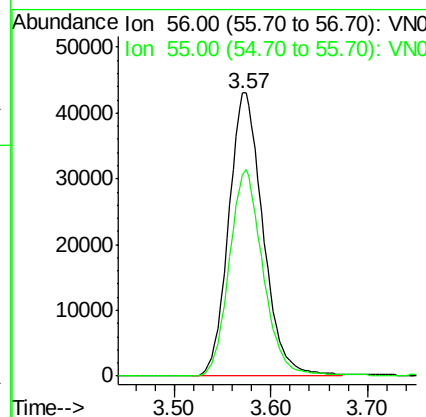
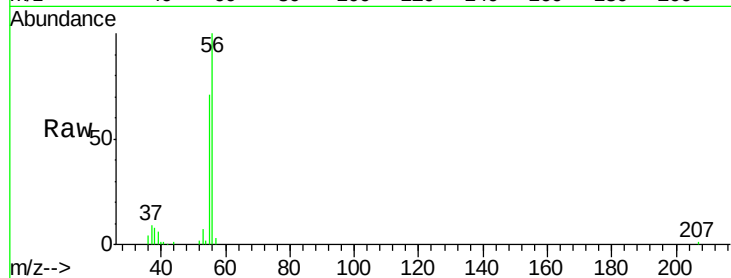
55 71.5 56.7 85.1

Manual Integrations

APPROVED

MMDadoda

4/2/2020 10:13:58 AM



#14

Allyl chloride

Concen: 46.153 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

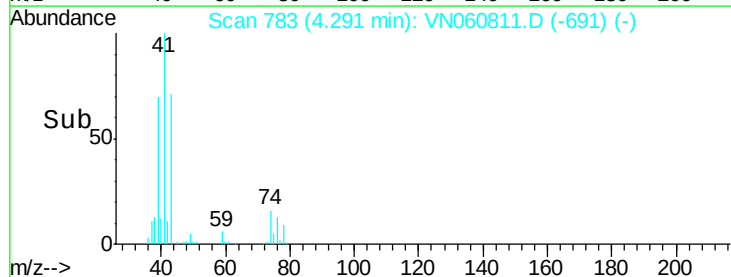
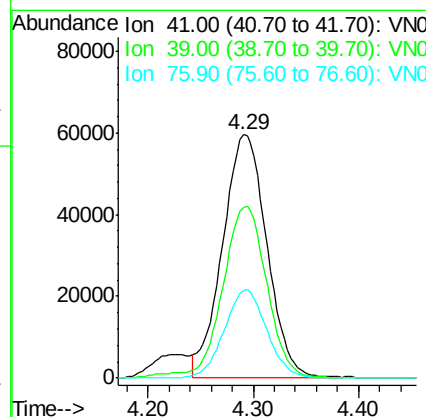
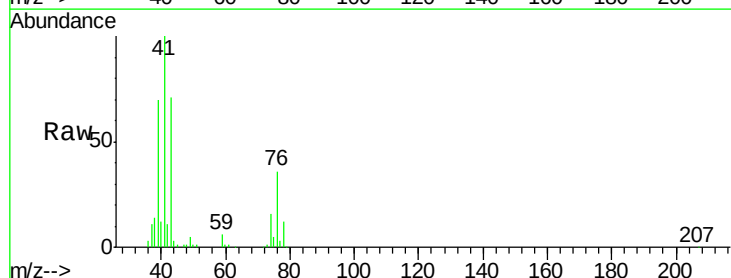
Tgt Ion: 41 Resp: 172795

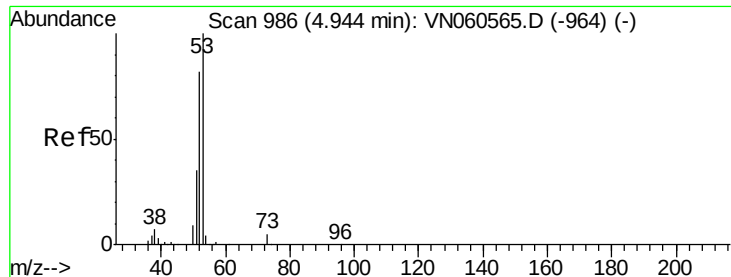
Ion Ratio Lower Upper

41 100

39 71.4 57.8 86.8

76 35.0 28.6 43.0





#15

Acrylonitrile

Concen: 239.834 ug/l

RT: 4.94 min Scan# 985

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

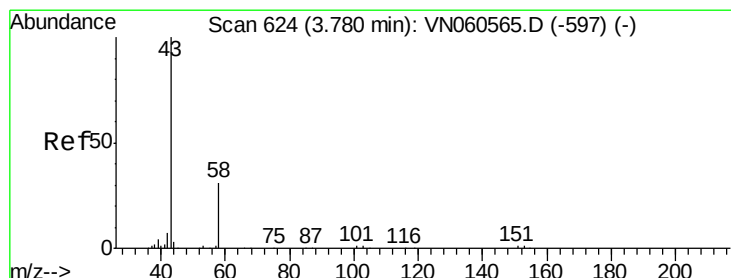
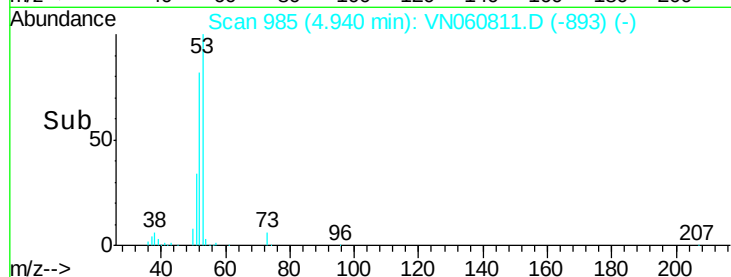
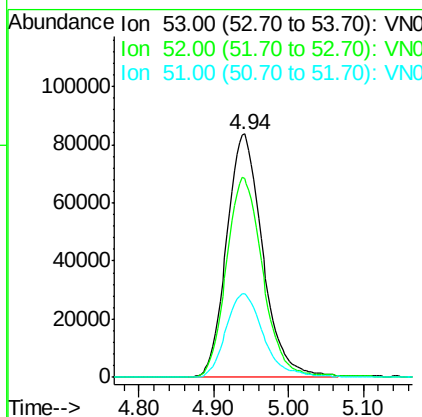
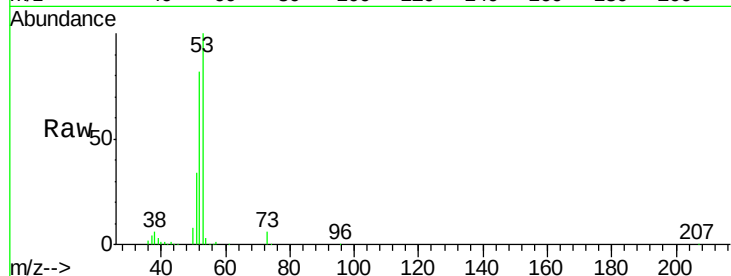
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	279948
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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4/2/2020 10:13:58 AM



#16

Acetone

Concen: 246.383 ug/l

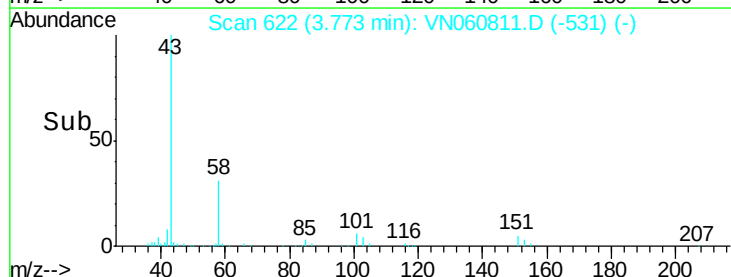
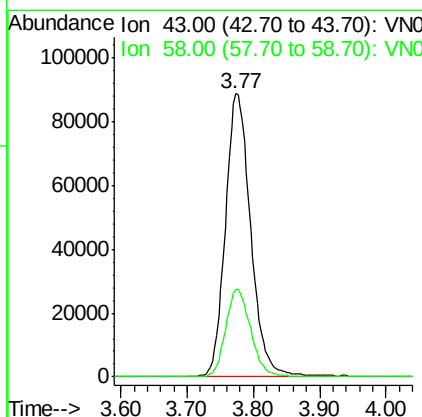
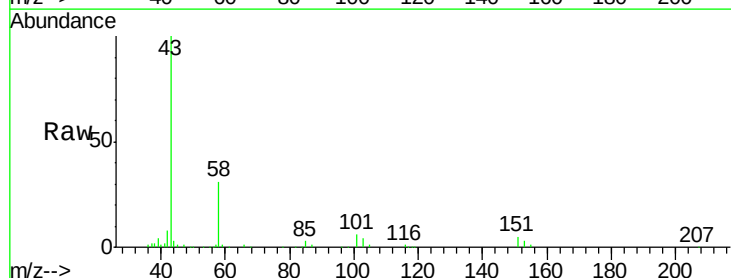
RT: 3.77 min Scan# 622

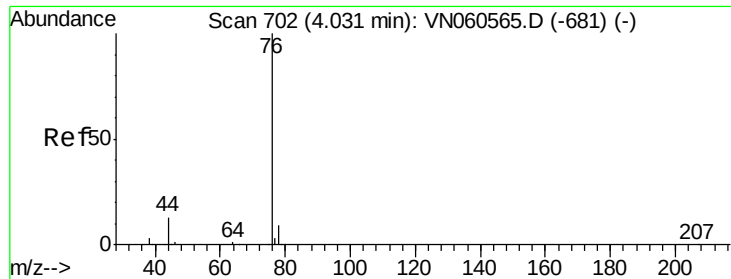
Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	43	Resp:	235558
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.1	37.7





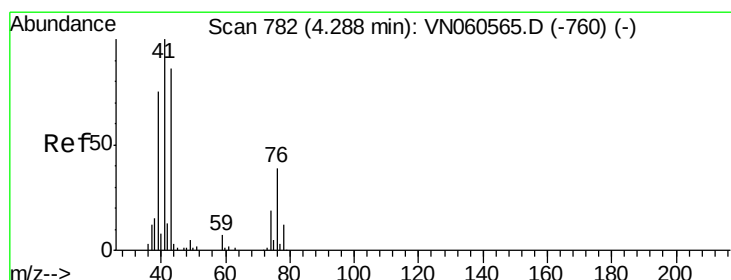
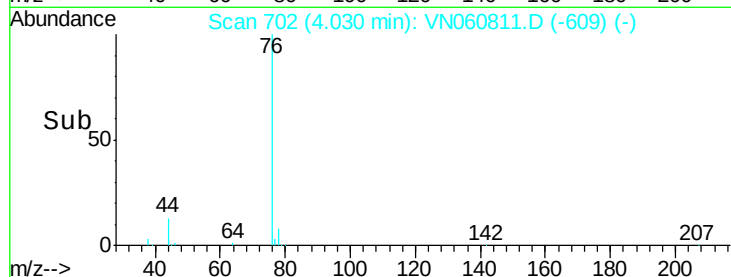
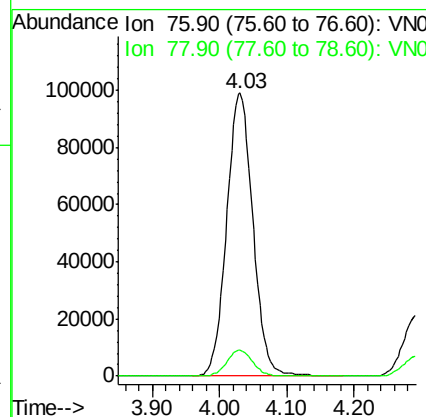
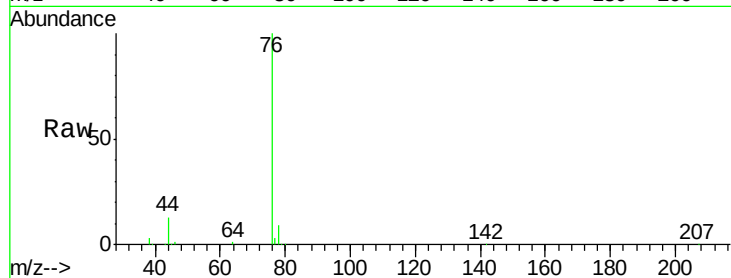
#17
Carbon Disulfide
Concen: 41.507 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

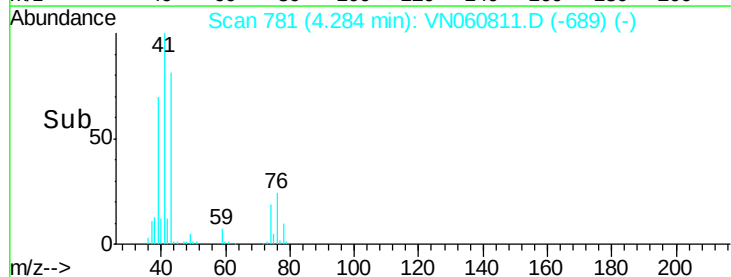
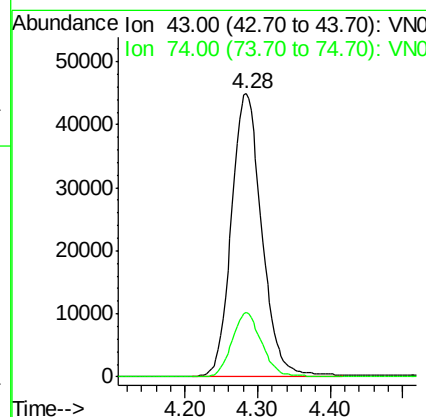
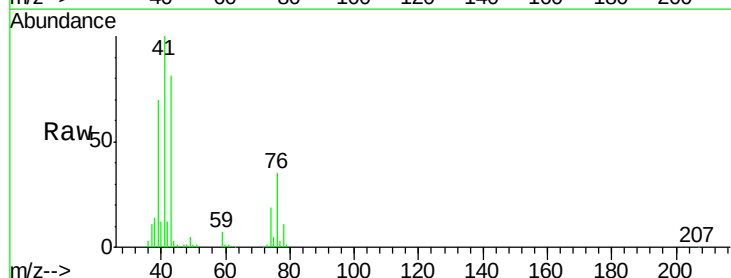
Manual Integrations
APPROVED

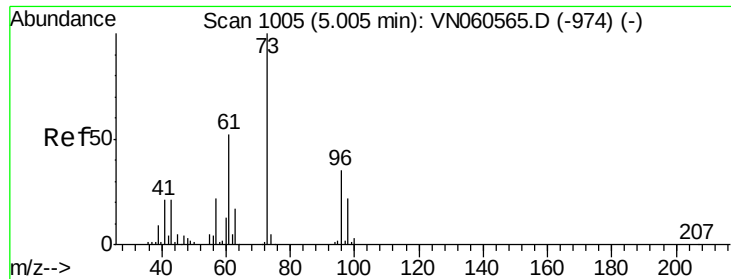
MMDadoda
4/2/2020 10:13:58 AM



#18
Methyl Acetate
Concen: 48.869 ug/l
RT: 4.28 min Scan# 781
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.5	26.3





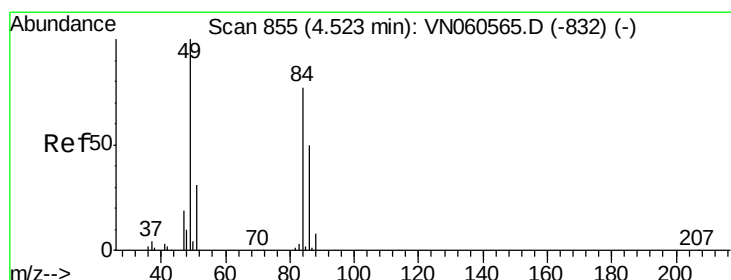
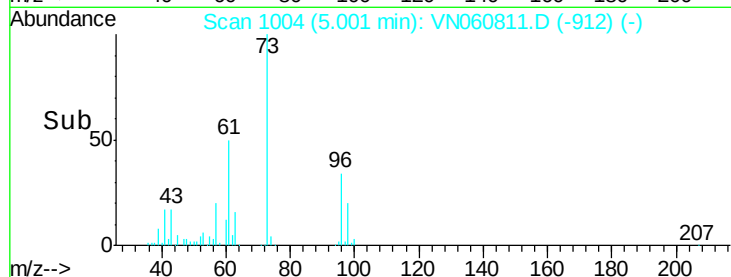
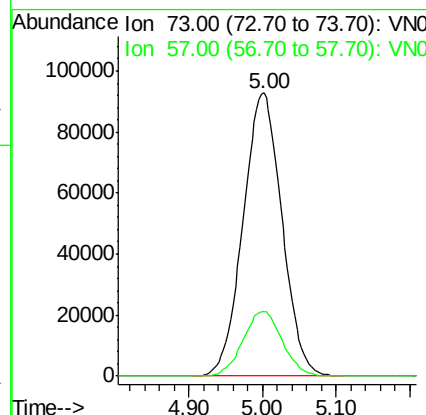
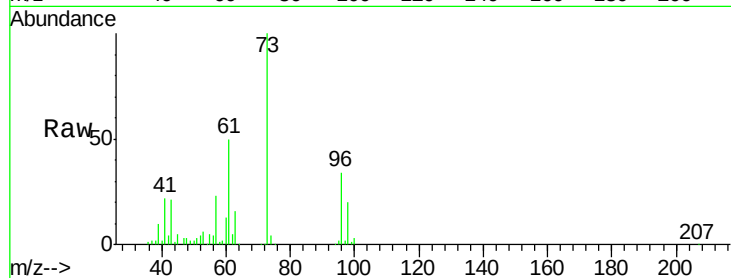
#19
Methvl tert-butyl Ether
Concen: 46.529 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 340538
Ion Ratio Lower Upper
73 100
57 22.7 17.5 26.3

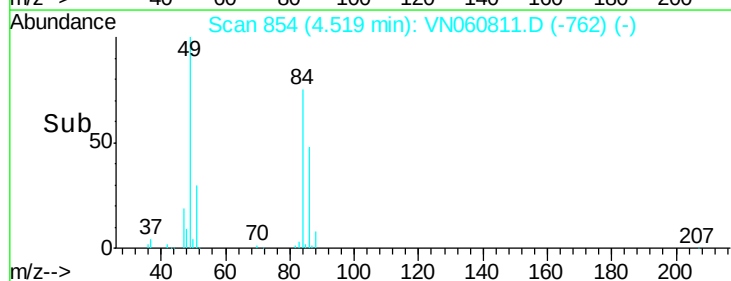
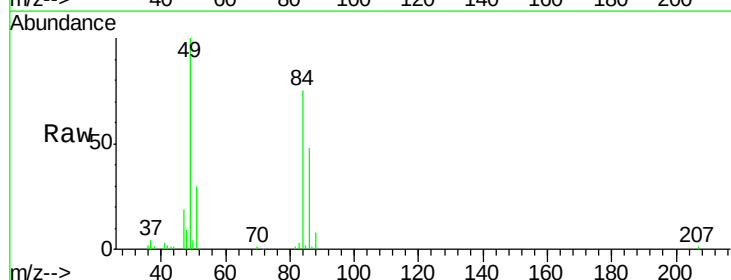
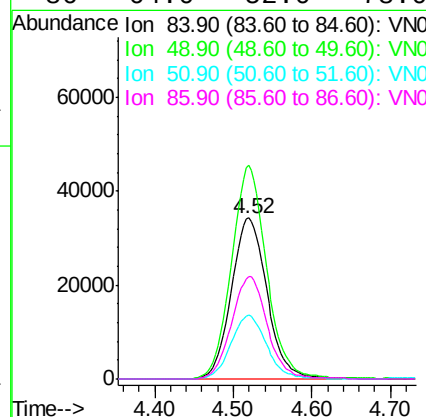
Manual Integrations
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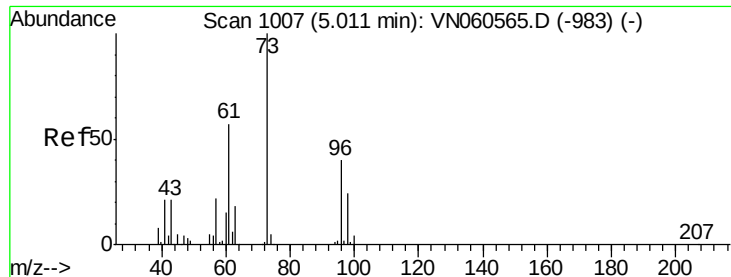
MMDadoda
4/2/2020 10:13:58 AM



#20
Methylene Chloride
Concen: 46.159 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 84 Resp: 108560
Ion Ratio Lower Upper
84 100
49 132.8 103.3 154.9
51 39.8 31.6 47.4
86 64.0 52.0 78.0





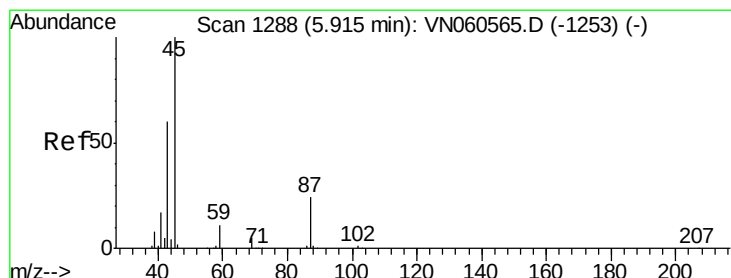
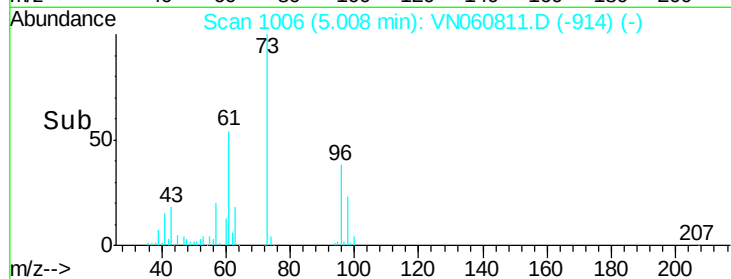
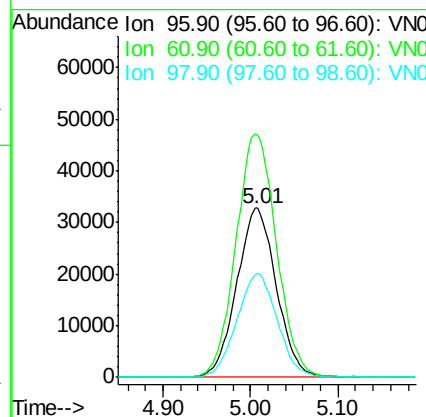
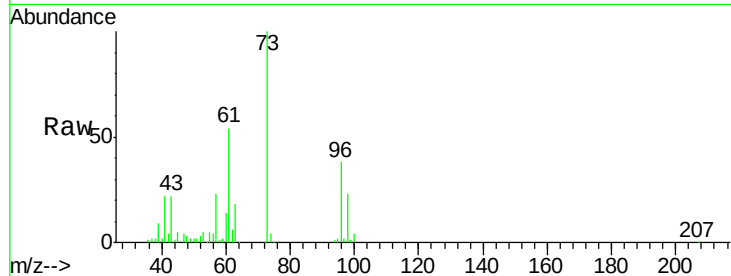
#21
trans-1,2-Dichloroethene
Concen: 45.281 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.1	114.4	171.6
98	61.5	48.4	72.6

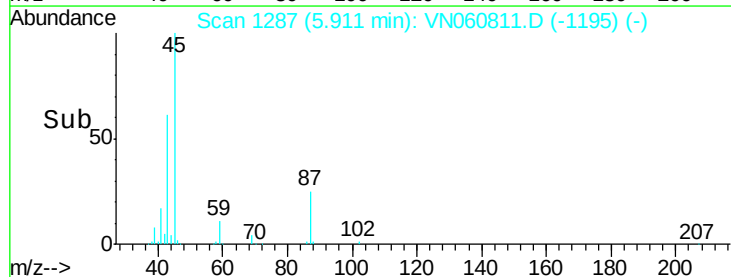
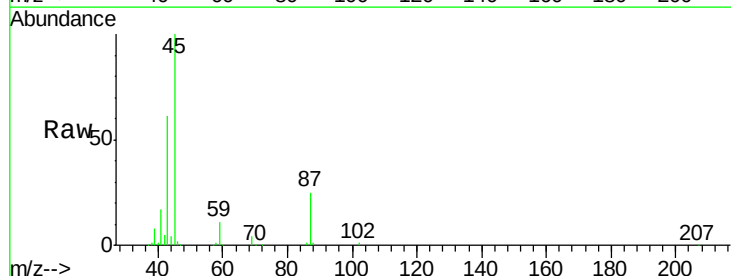
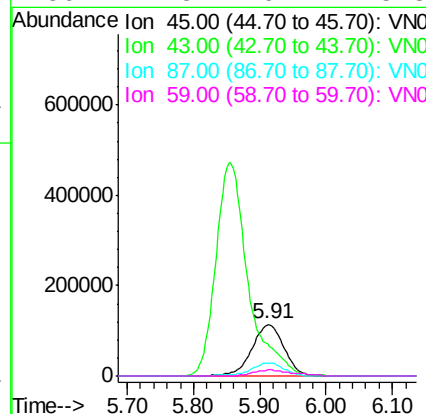
Manual Integrations
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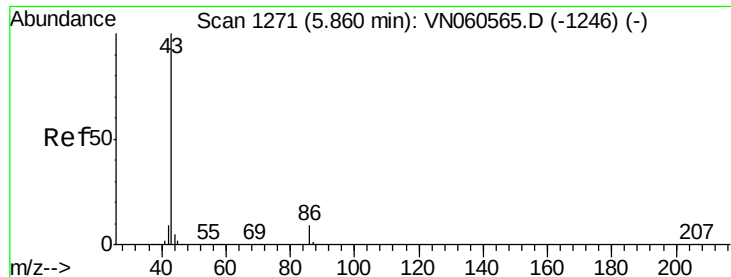
MMDadoda
4/2/2020 10:13:58 AM



#22
Diisopropyl ether
Concen: 48.653 ug/l
RT: 5.91 min Scan# 1287
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.4	49.8	74.8
87	25.1	20.1	30.1
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 246.979 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1593939

Ion Ratio Lower Upper

43 100

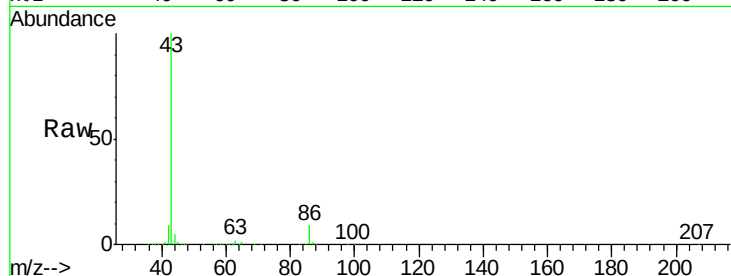
86 9.3 7.6 11.4

Manual Integrations

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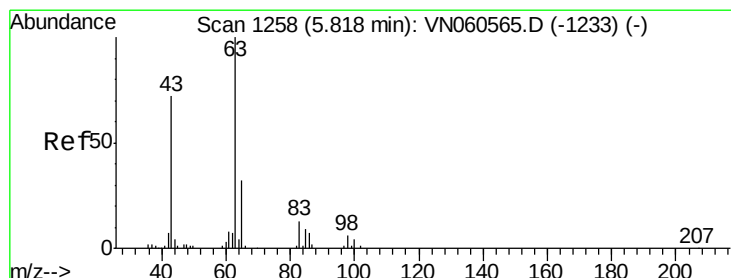
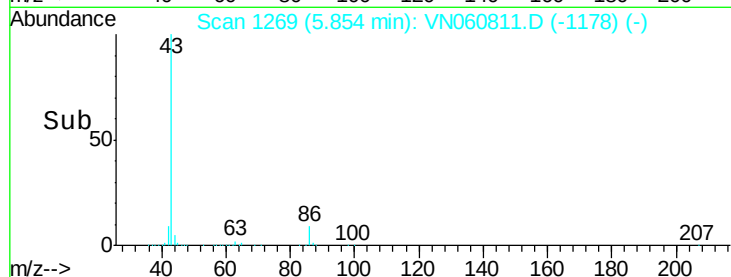
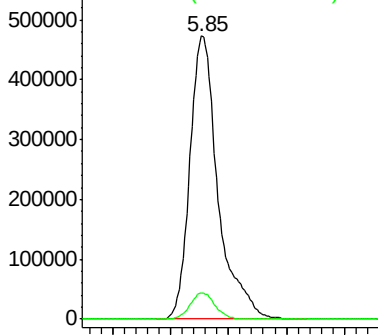
MMDadoda

4/2/2020 10:13:58 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 47.357 ug/l

RT: 5.81 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

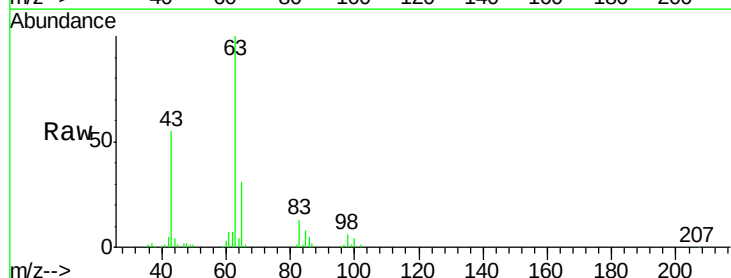
Tgt Ion: 63 Resp: 204204

Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.7

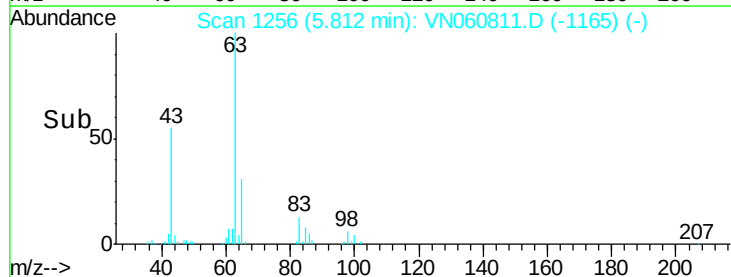
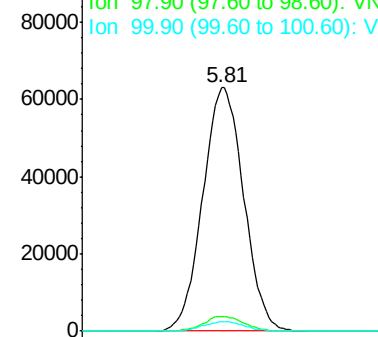
100 3.8 1.8 5.5

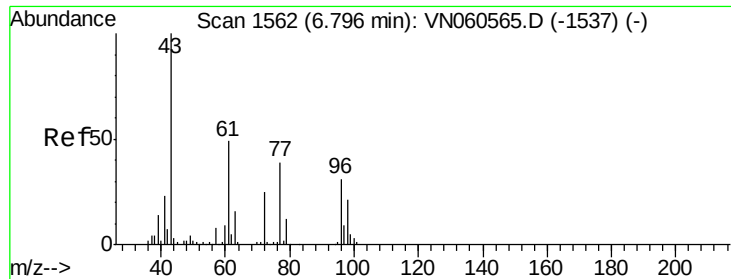


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





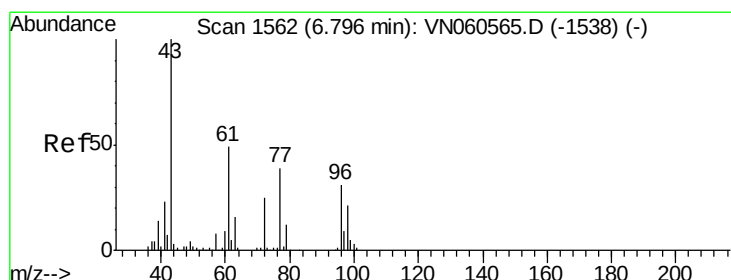
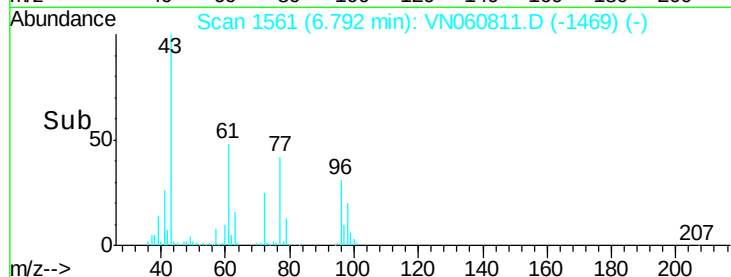
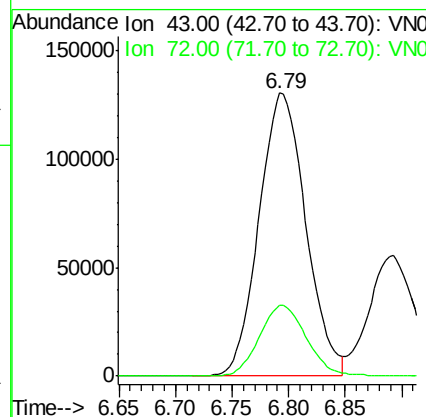
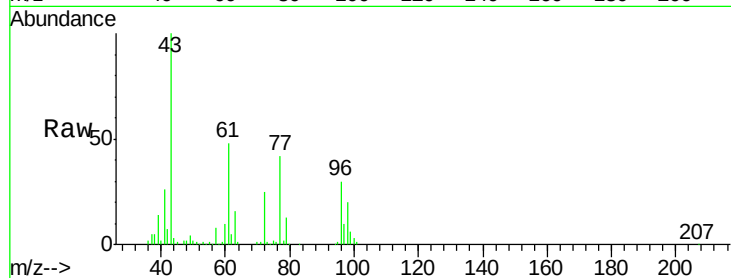
#25
2-Butanone
Concen: 241.534 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 373671
Ion Ratio Lower Upper
43 100
72 24.9 20.4 30.6

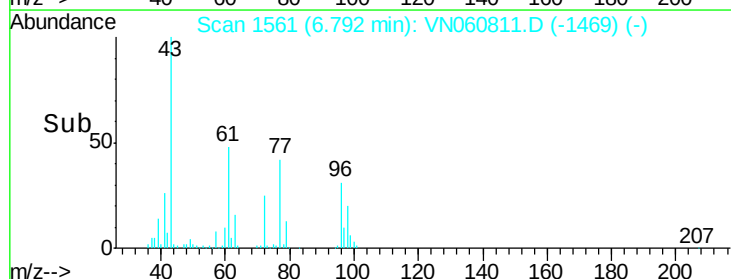
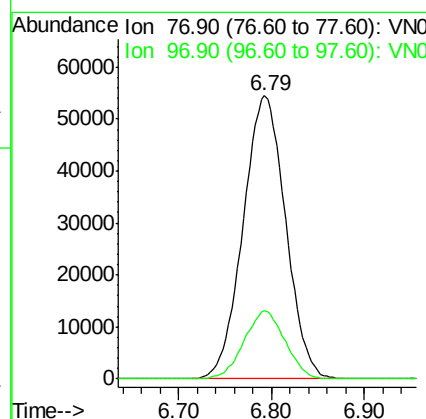
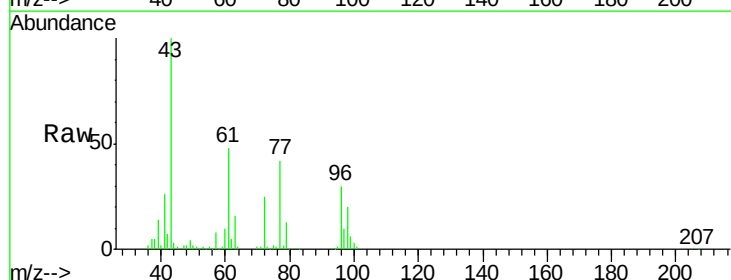
Manual Integrations
APPROVED

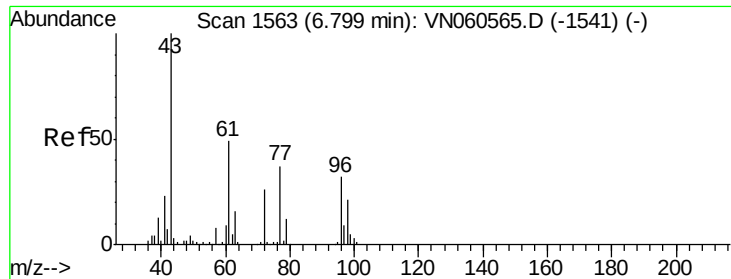
MMDadoda
4/2/2020 10:13:58 AM



#26
2,2-Dichloropropane
Concen: 51.143 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 77 Resp: 173510
Ion Ratio Lower Upper
77 100
97 23.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 46.455 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

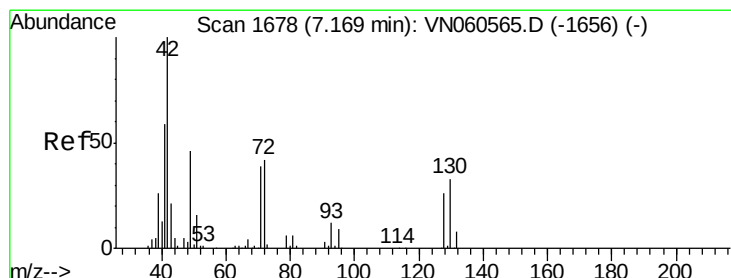
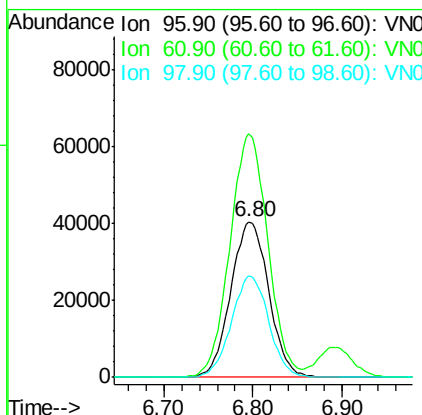
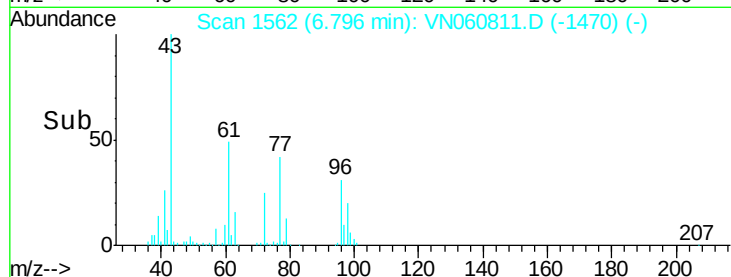
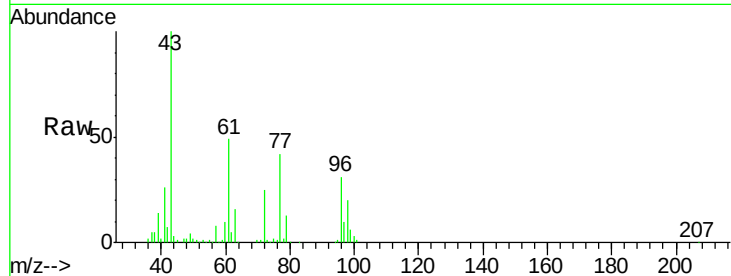
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	119769
Ion	Ratio	Lower	Upper
96	100		
61	156.3	0.0	305.6
98	64.0	0.0	127.6

Manual Integrations
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#28

Bromochloromethane

Concen: 47.750 ug/l

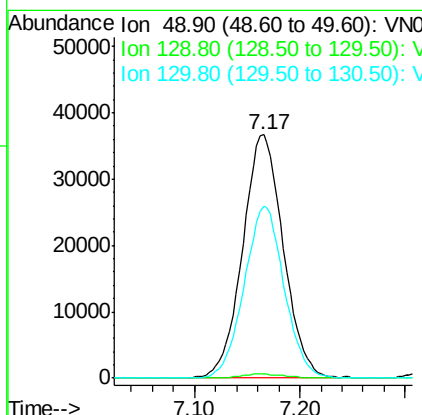
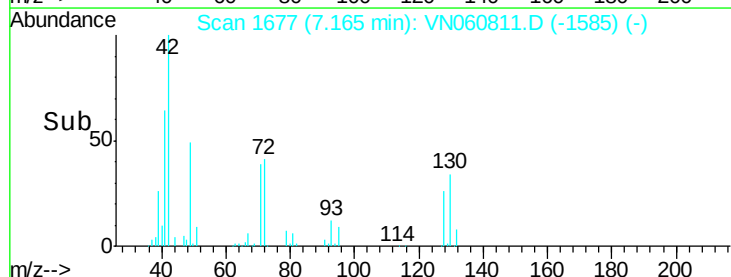
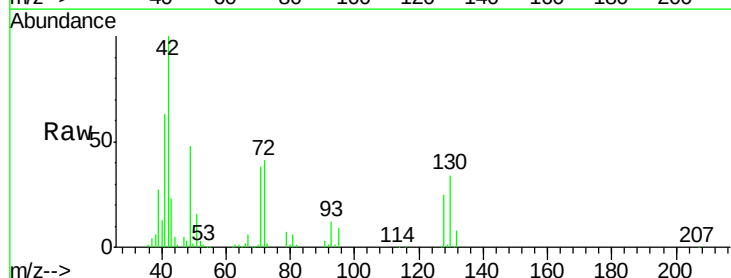
RT: 7.17 min Scan# 1677

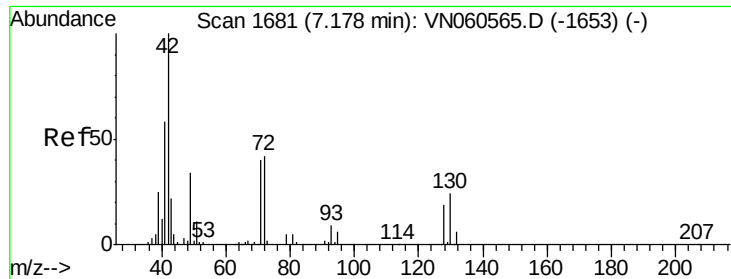
Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	49	Resp:	98512
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.3	55.0	82.4





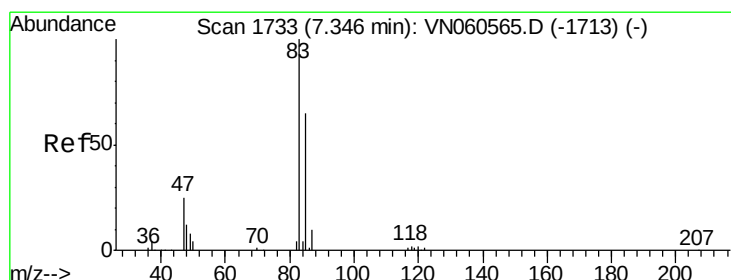
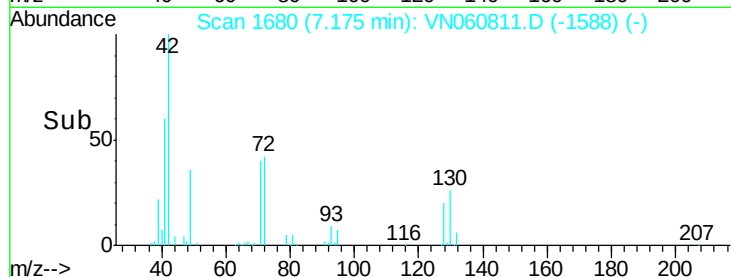
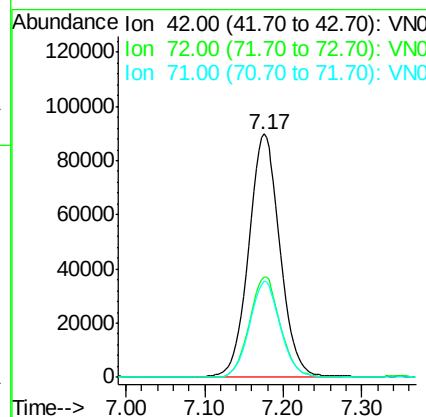
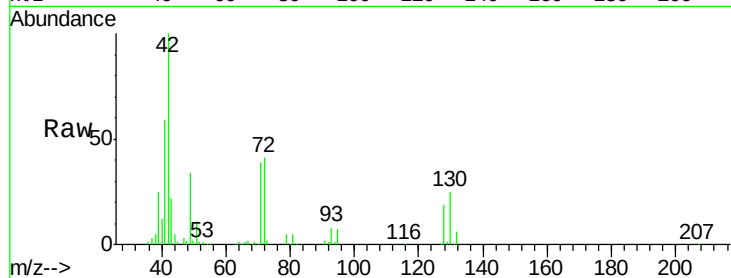
#29
Tetrahydrofuran
Concen: 231.135 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	40.7	33.2	49.8	
71	38.7	31.1	46.7	

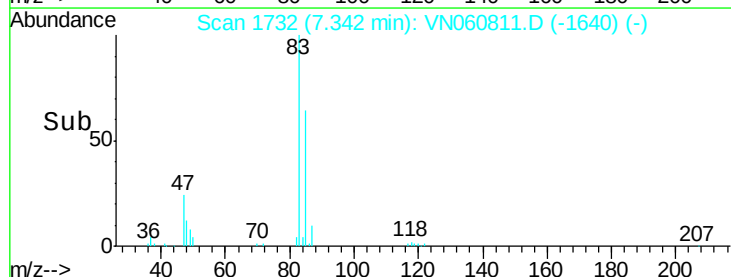
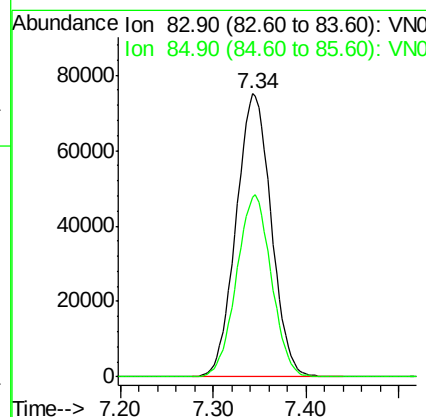
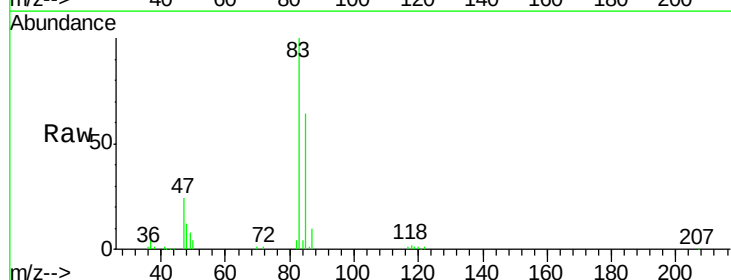
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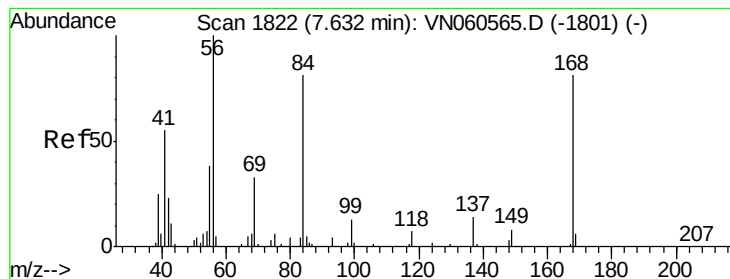
MMDadoda
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#30
Chloroform
Concen: 47.612 ug/l
RT: 7.34 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	63.6	51.8	77.8	





#31

Cyclohexane

Concen: 43.768 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 190268

Ion Ratio Lower Upper

56 100

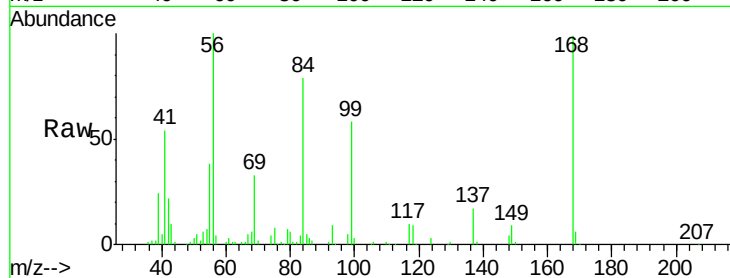
69 32.6 26.6 40.0

84 78.6 64.3 96.5

Manual Integrations
APPROVED

MMDadoda

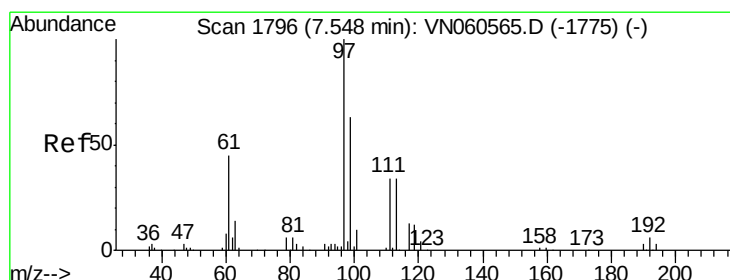
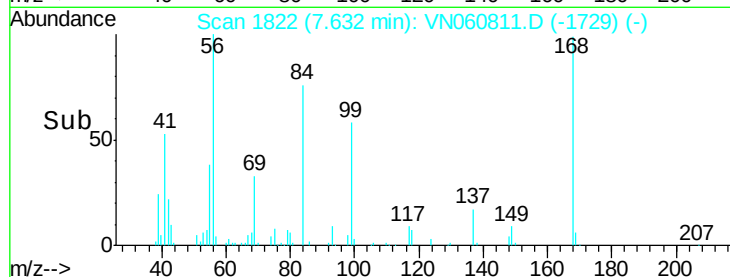
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Abundance Ion 56.00 (55.70 to 56.70): VN060811.D (-1729) (-)

Ion 69.00 (68.70 to 69.70): VN060811.D (-1729) (-)

Ion 84.00 (83.70 to 84.70): VN060811.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 46.844 ug/l

RT: 7.54 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

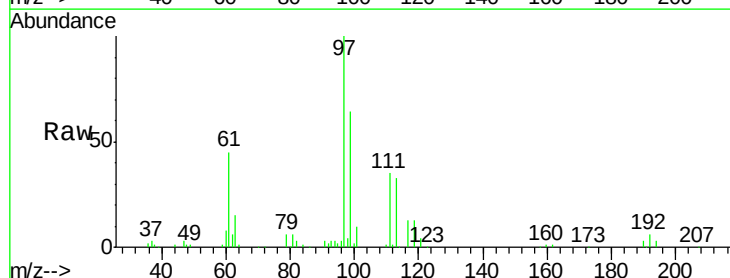
Tgt Ion: 97 Resp: 166932

Ion Ratio Lower Upper

97 100

99 64.1 50.6 75.8

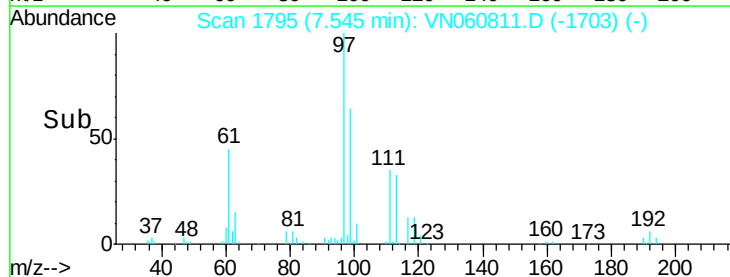
61 45.9 36.2 54.4

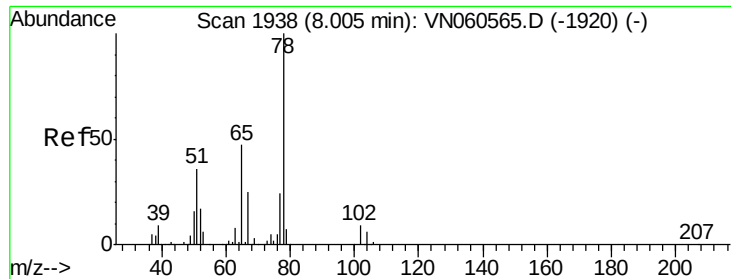


Abundance Ion 96.90 (96.60 to 97.60): VN060811.D (-1703) (-)

Ion 98.90 (98.60 to 99.60): VN060811.D (-1703) (-)

Ion 60.90 (60.60 to 61.60): VN060811.D (-1703) (-)





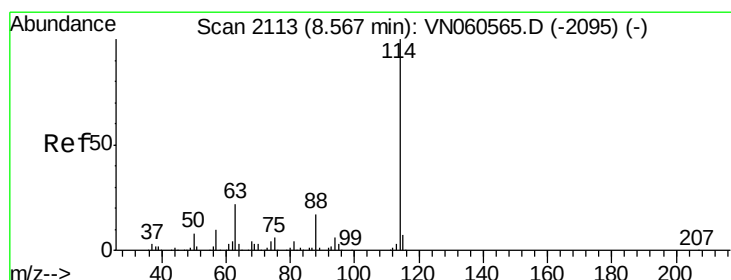
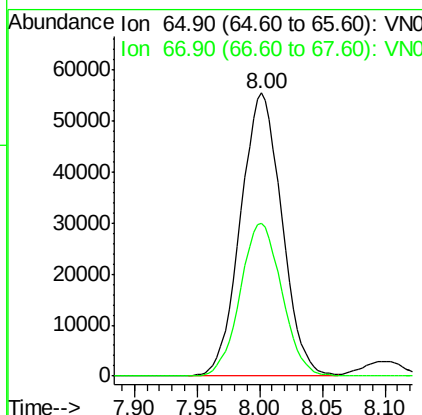
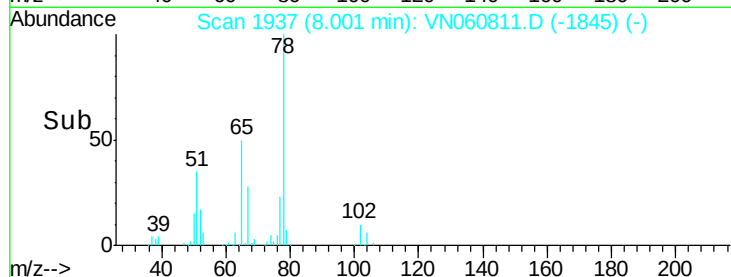
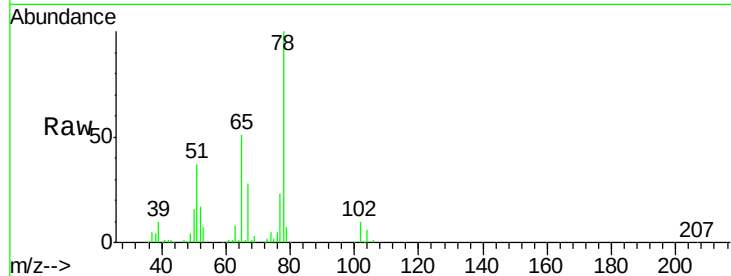
#33
 1,2-Dichloroethane-d4
 Concen: 47.130 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.6

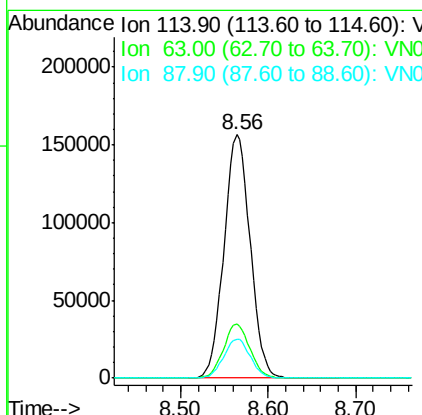
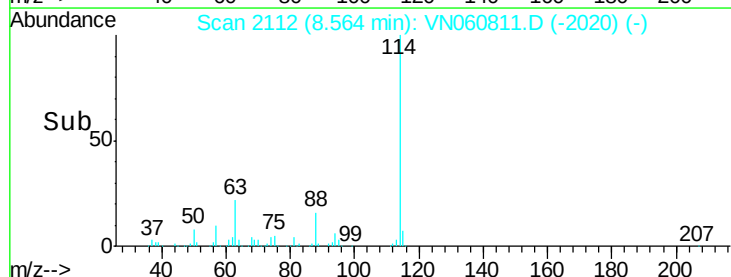
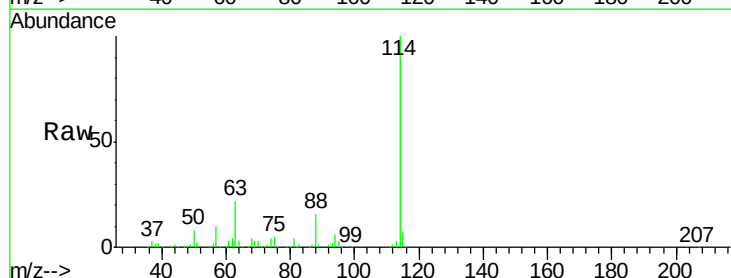
Manual Integrations
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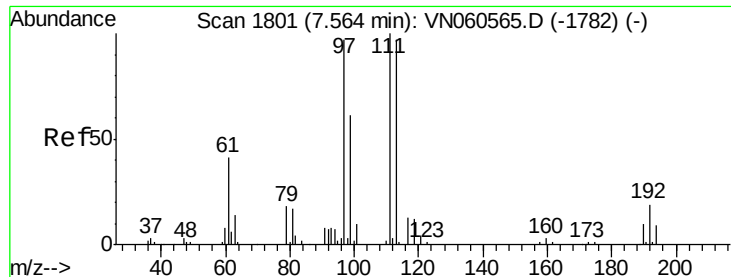
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 4/2/2020 10:13:58 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.8
88	16.1	0.0	33.0





#35

Dibromofluoromethane

Concen: 49.254 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

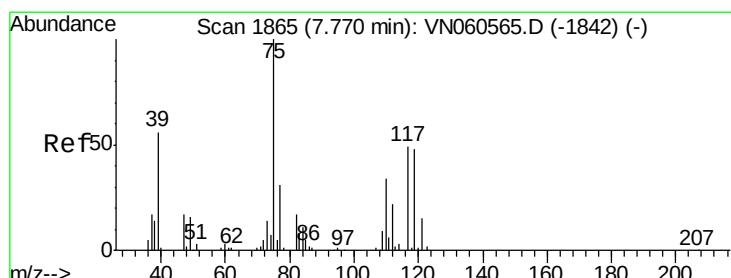
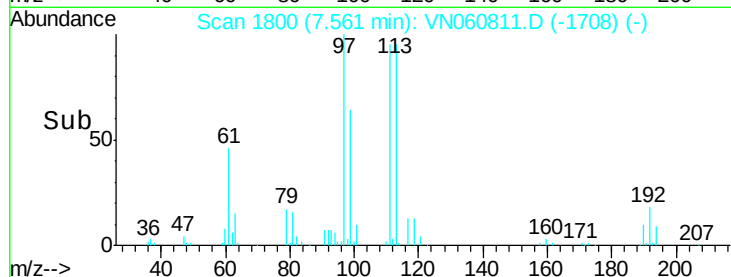
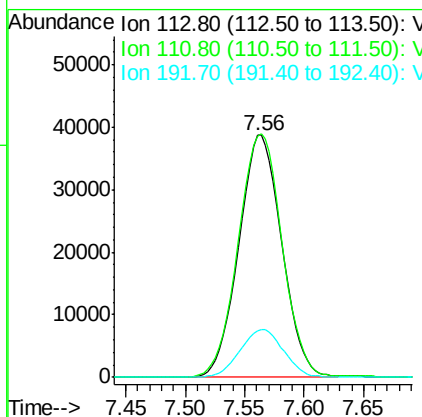
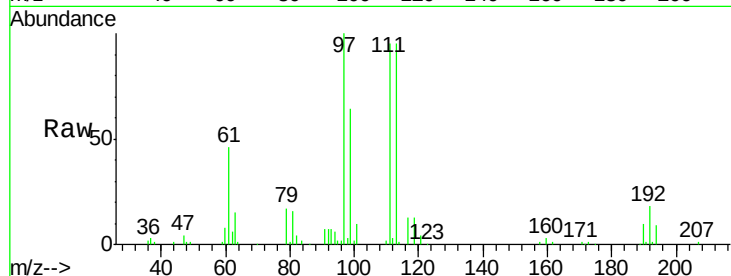
ClientSampled :

VSTDCCC050EC

Tot Ion:	113	Resp:	96851
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	20.0	15.8	23.8

Manual Integrations
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4/2/2020 10:13:58 AM



#36

1,1-Dichloropropene

Concen: 47.626 ug/l

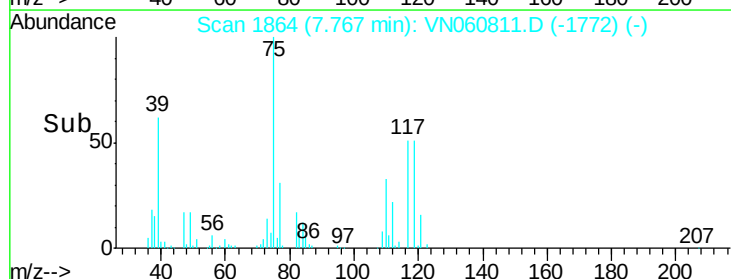
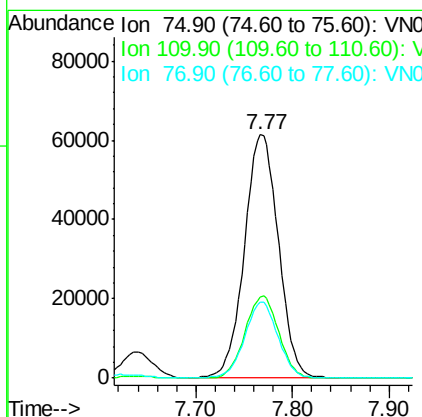
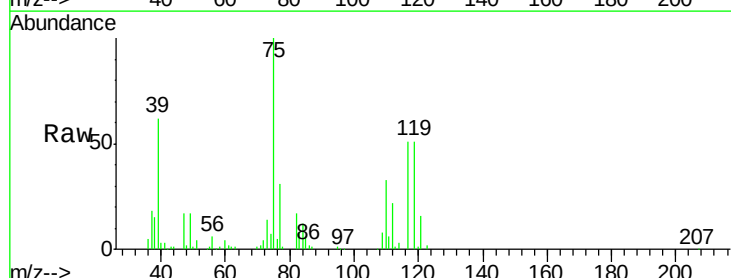
RT: 7.77 min Scan# 1864

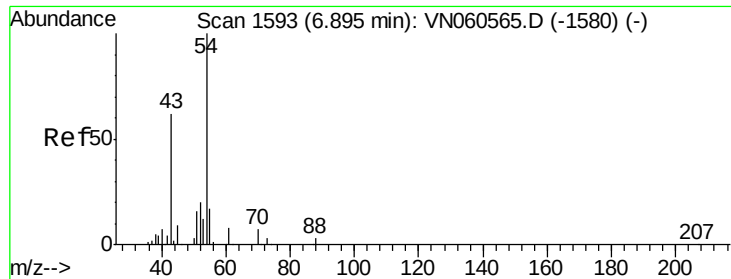
Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	75	Resp:	149972
Ion	Ratio	Lower	Upper
75	100		
110	33.5	16.9	50.6
77	30.7	24.6	36.8





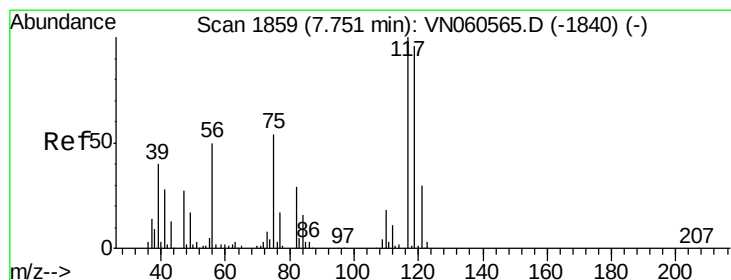
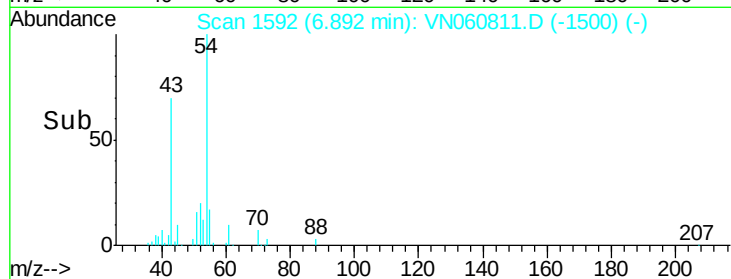
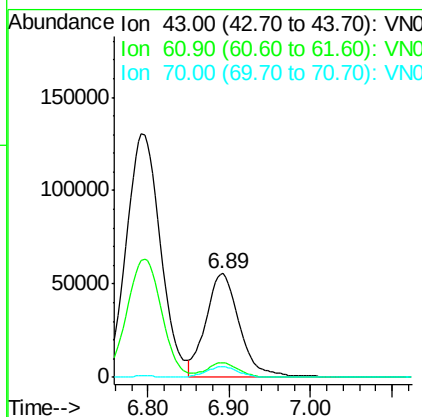
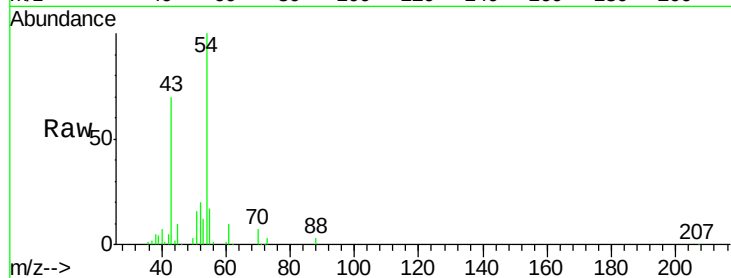
#37
Ethyl Acetate
Concen: 47.134 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	43	61	70
Resp	160372		
Ratio	100	13.5	10.0
Lower		10.6	7.9
Upper		15.8	11.9

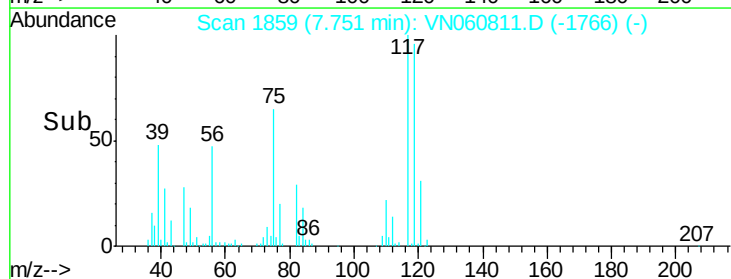
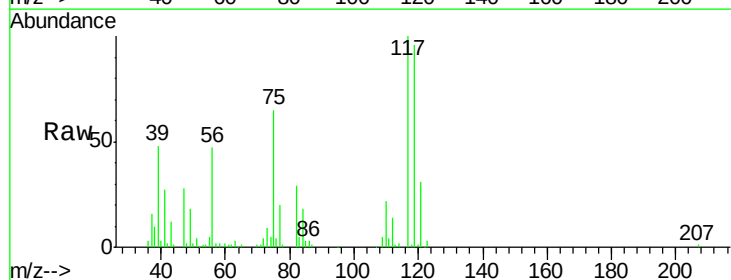
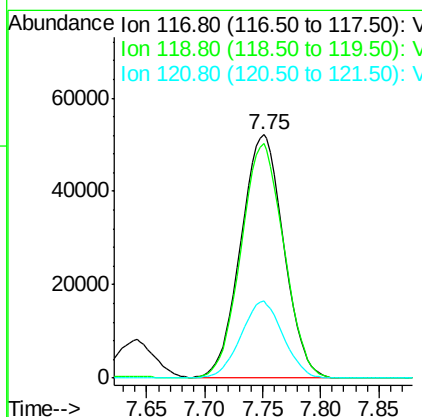
Manual Integrations
APPROVED

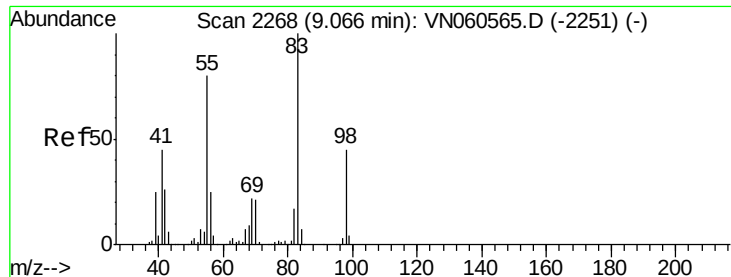
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#38
Carbon Tetrachloride
Concen: 47.675 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	117	119	121
Resp	134551		
Ratio	100	96.2	31.5
Lower		76.2	23.7
Upper		114.2	35.5





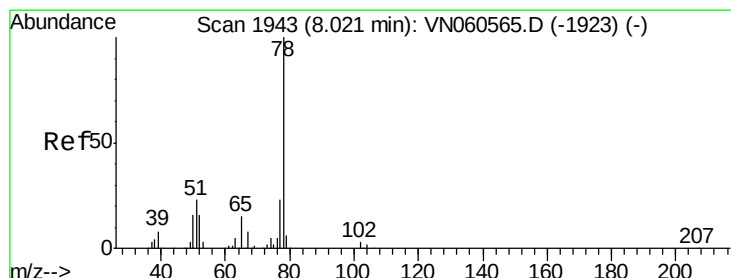
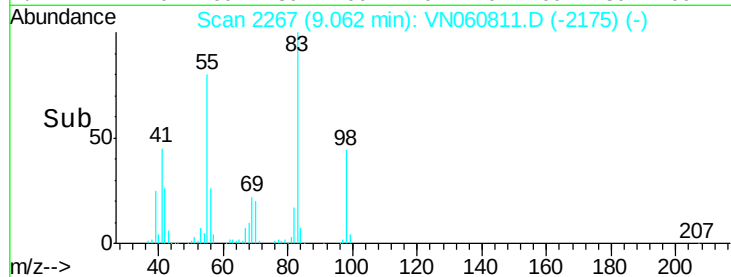
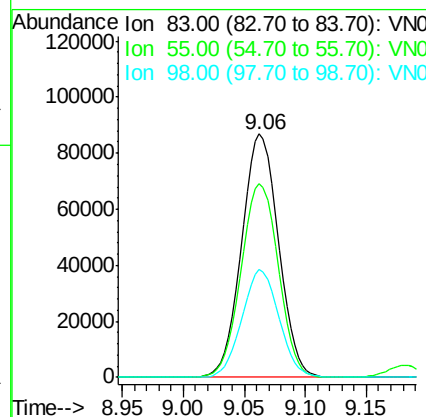
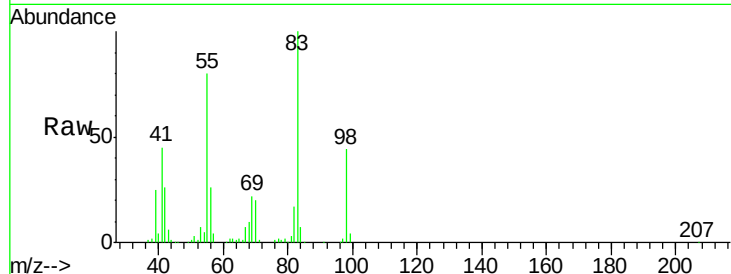
#39
Methylvlcyclohexane
Concen: 48.494 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.6	63.6	95.4
98	44.1	36.0	54.0

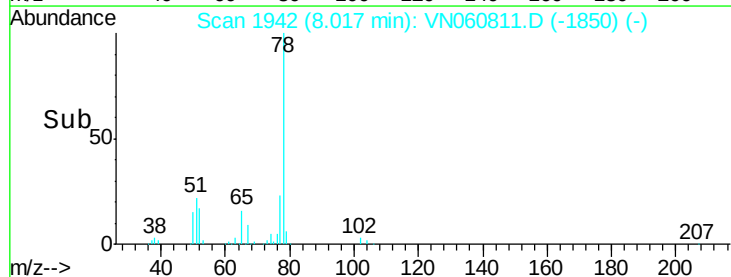
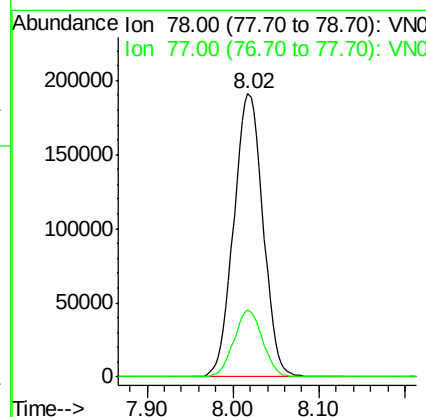
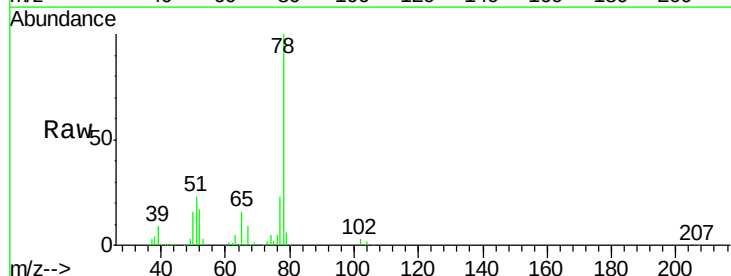
Manual Integrations
APPROVED

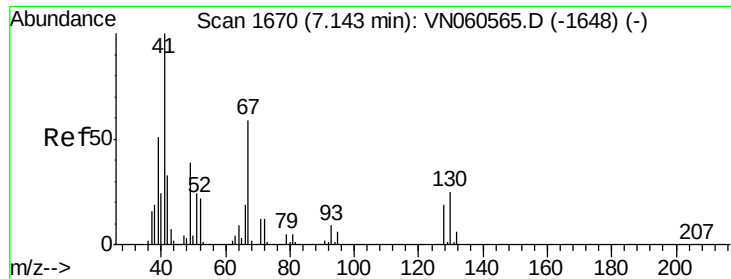
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#40
Benzene
Concen: 47.457 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.6	28.0





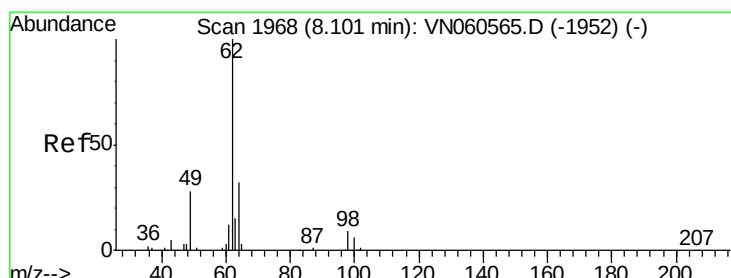
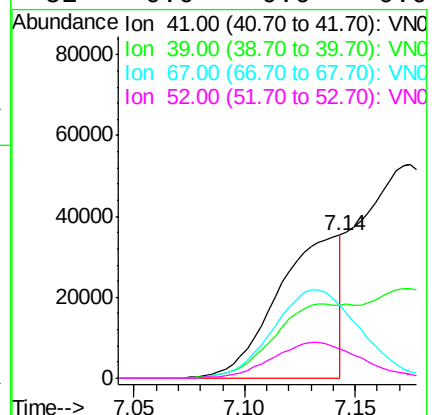
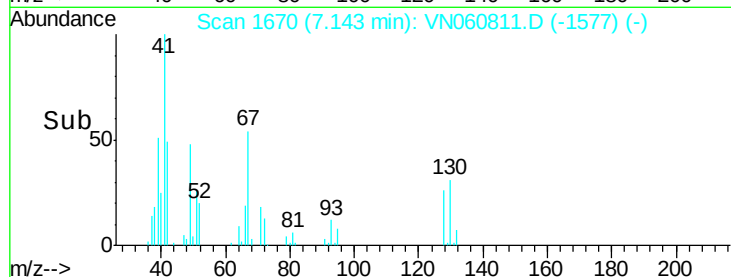
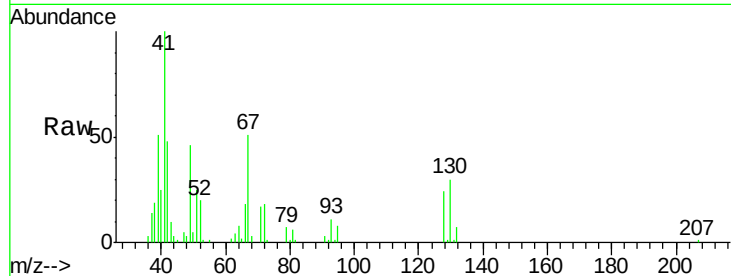
#41
Methacrylonitrile
Concen: 48.160 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion	41	Resp	69932
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

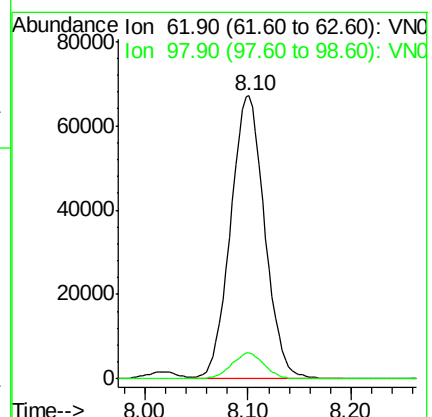
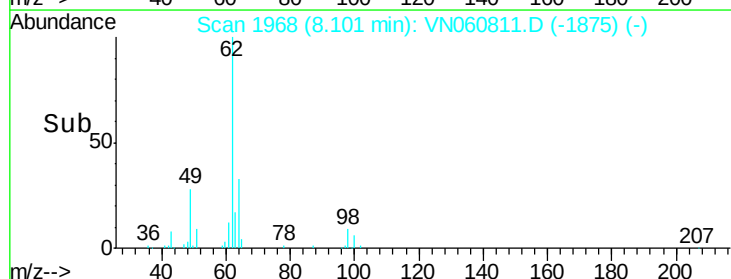
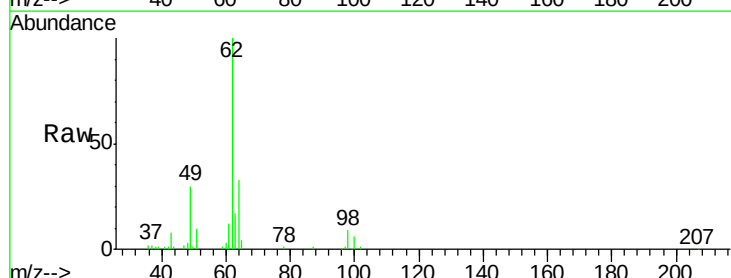
Manual Integrations
APPROVED

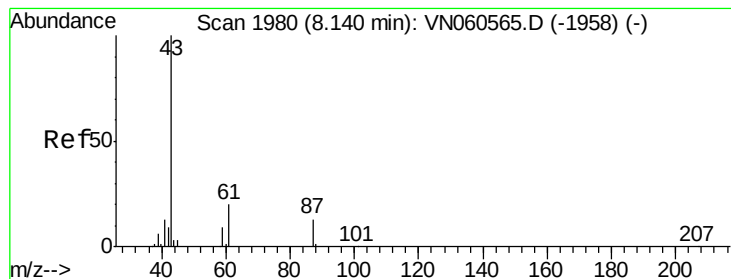
MMDadoda
4/2/2020 10:13:58 AM



#42
1,2-Dichloroethane
Concen: 47.638 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	62	Resp	154758
Ion Ratio	Lower	Upper	
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 47.943 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

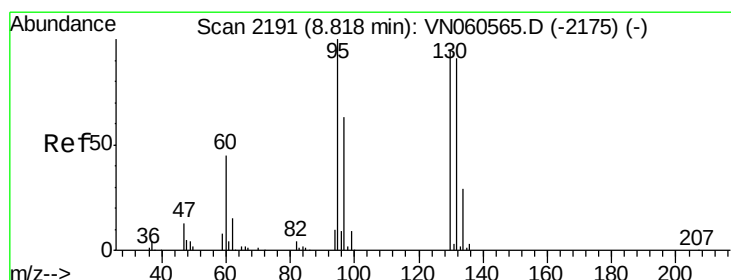
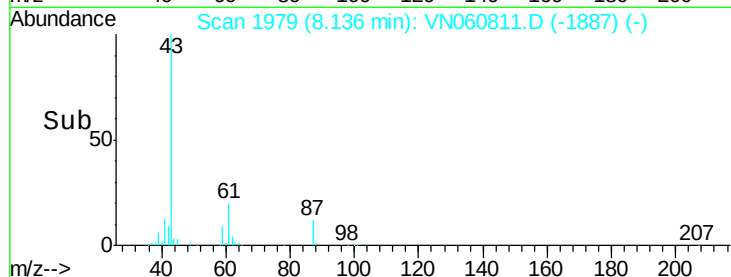
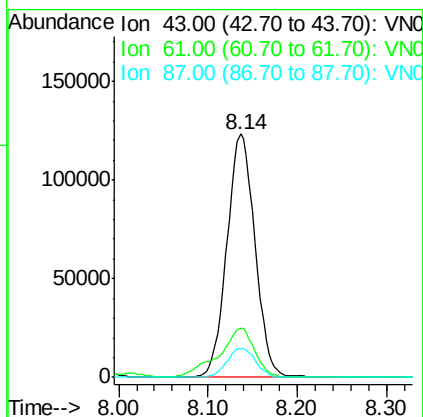
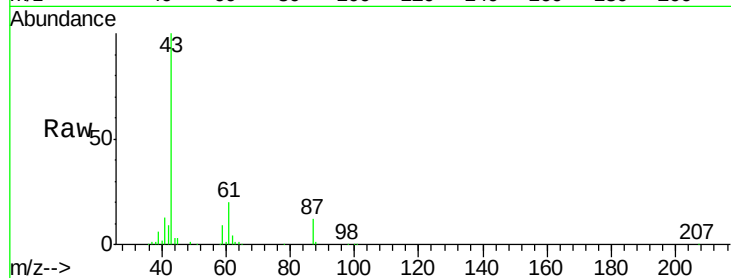
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	269026
Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.7	31.1
87	12.1	9.8	14.8

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:58 AM



#44

Trichloroethene

Concen: 46.966 ug/l

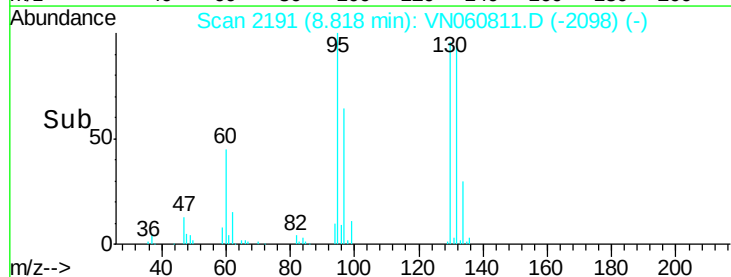
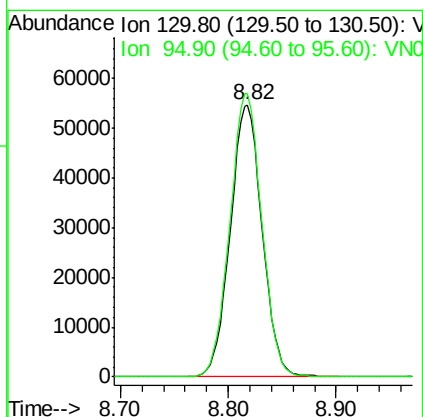
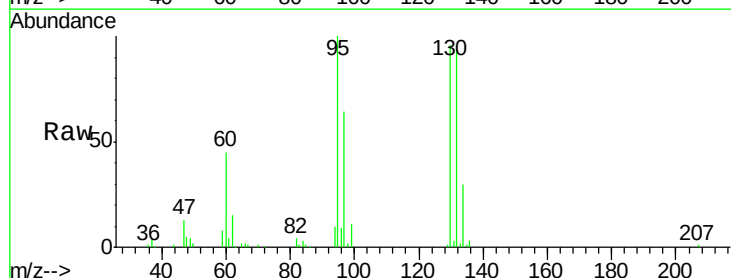
RT: 8.82 min Scan# 2191

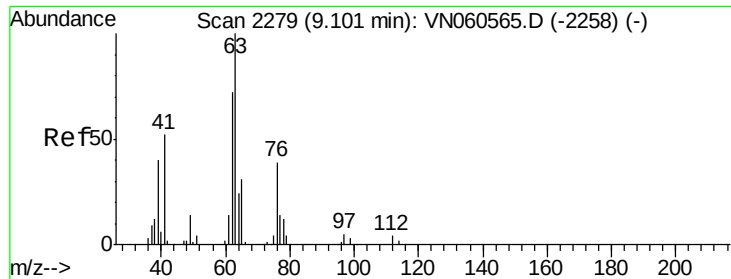
Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	130	Resp:	112545
Ion	Ratio	Lower	Upper
130	100		
95	103.9	0.0	211.2





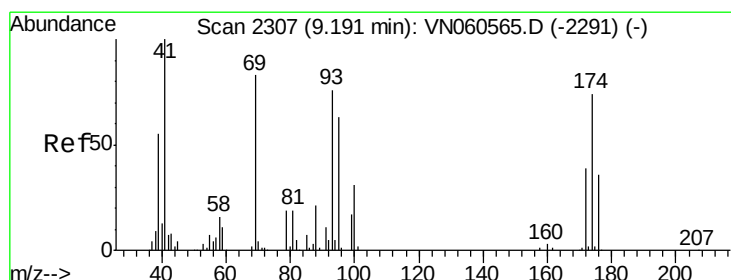
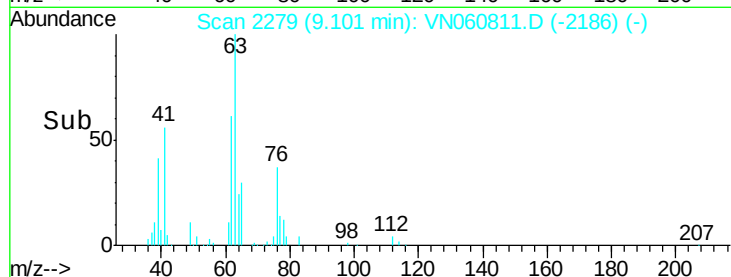
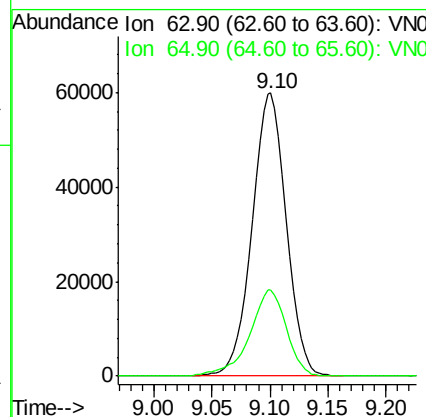
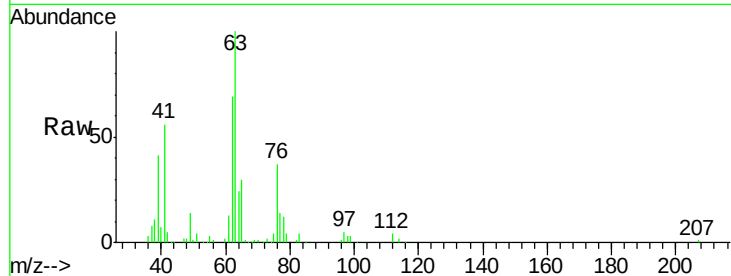
#45
 1,2-Dichloropropane
 Concen: 49.035 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	25.4	38.0

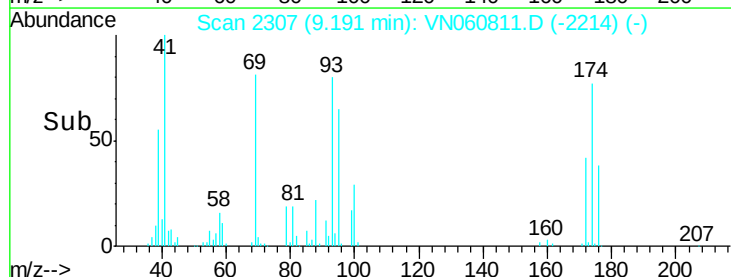
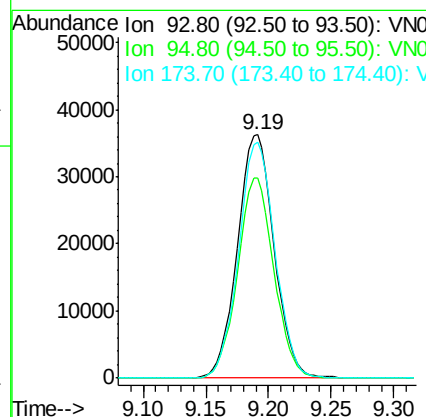
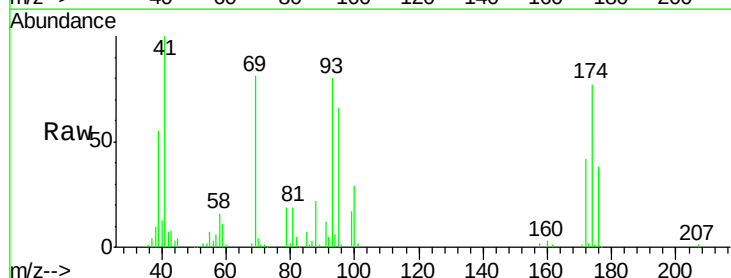
Manual Integrations
 APPROVED

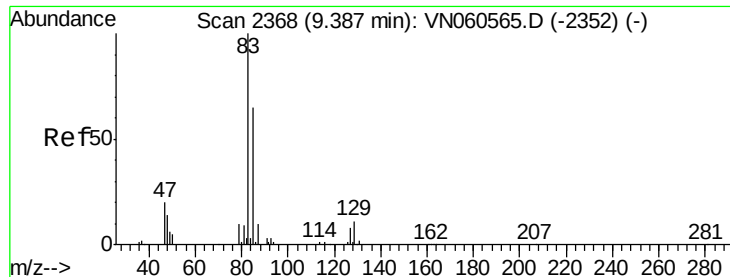
MMDadoda
 4/2/2020 10:13:58 AM



#46
 Dibromomethane
 Concen: 48.529 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.2	99.4
174	96.1	77.9	116.9





#47

Bromodichloromethane

Concen: 48.788 ug/l

RT: 9.38 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

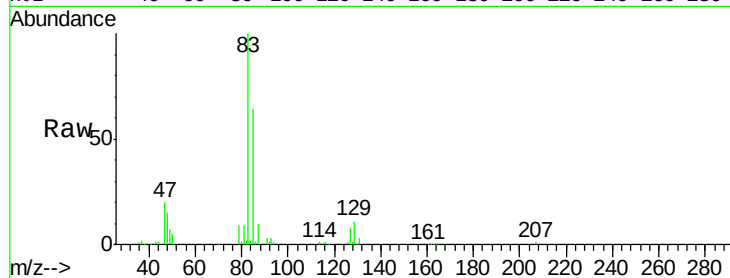
ClientSampled :

VSTDCCC050EC

Tot Ion:	83	Resp:	153737
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6
127	8.3	6.5	9.7

Manual Integrations
APPROVED

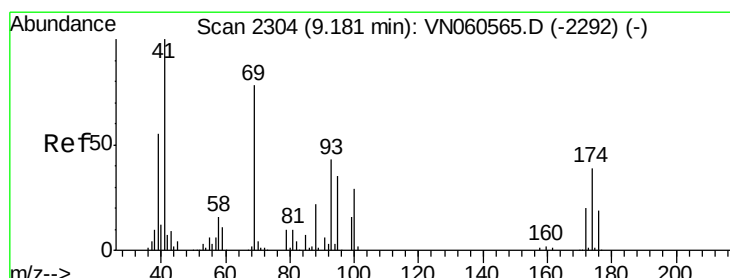
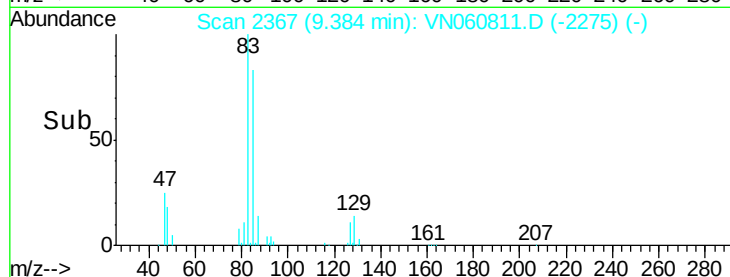
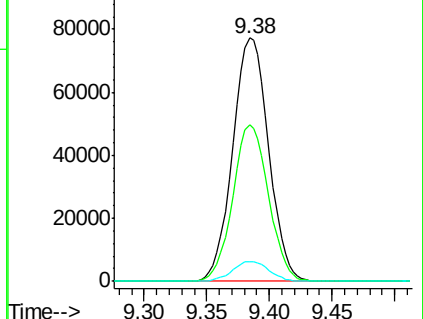
MMDadoda
4/2/2020 10:13:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VN060811.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN060811.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN060811.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.048 ug/l

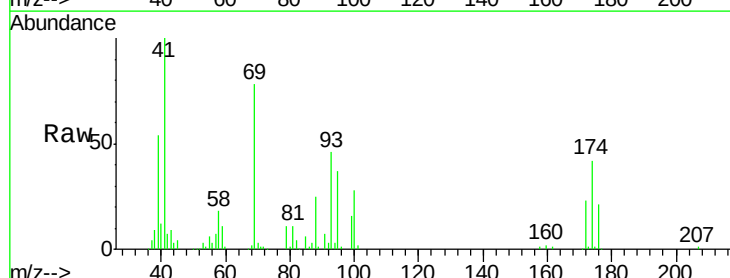
RT: 9.18 min Scan# 2304

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

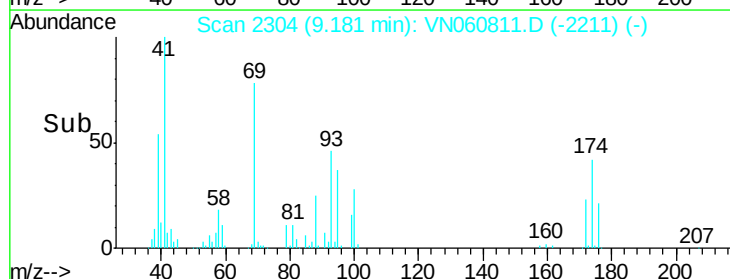
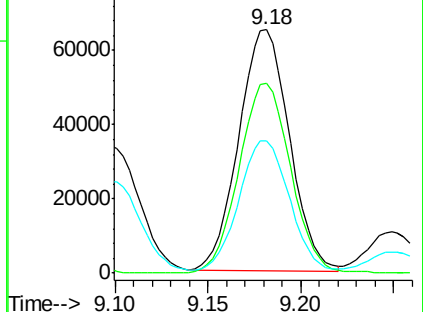
Tgt Ion:	41	Resp:	122538
Ion	Ratio	Lower	Upper
41	100		
69	80.9	65.4	98.0
39	53.5	44.0	66.0

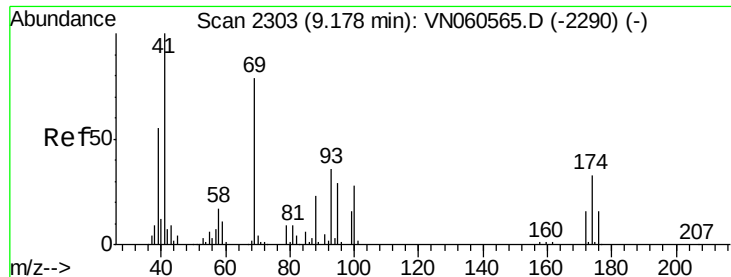


Abundance Ion 41.00 (40.70 to 41.70): VN060811.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN060811.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN060811.D (-2211) (-)





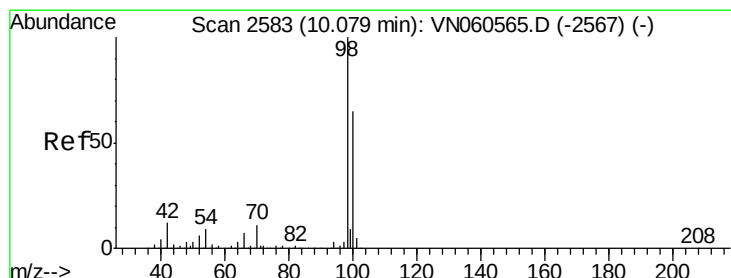
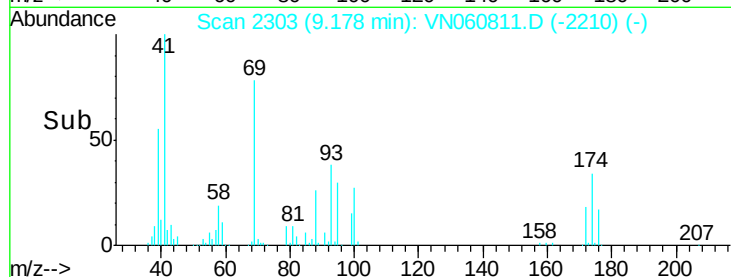
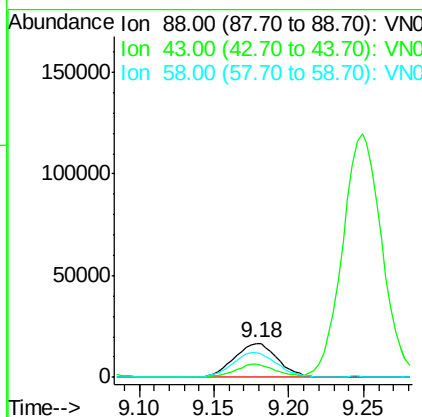
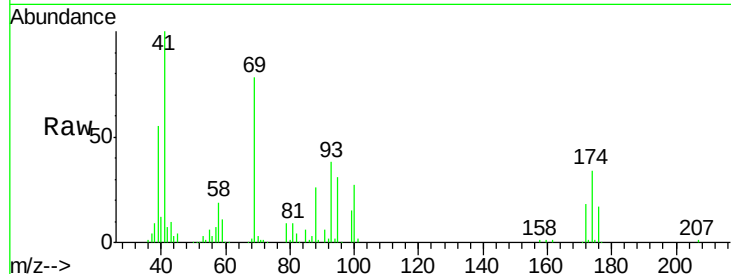
#49
1,4-Dioxane
Concen: 1140.337 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	33863
Ion	Ratio	Lower	Upper
88	100		
43	36.7	30.8	46.2
58	74.2	59.8	89.8

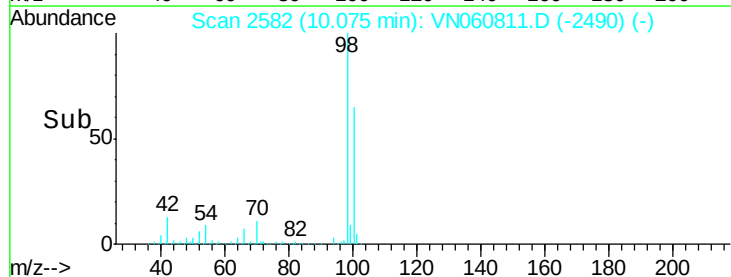
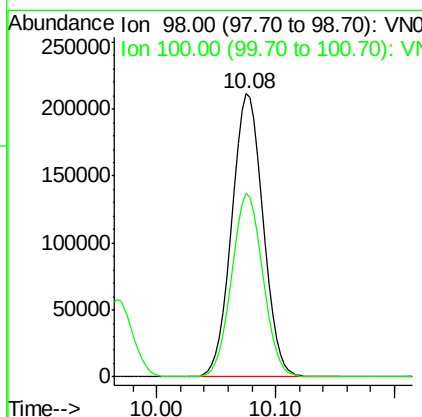
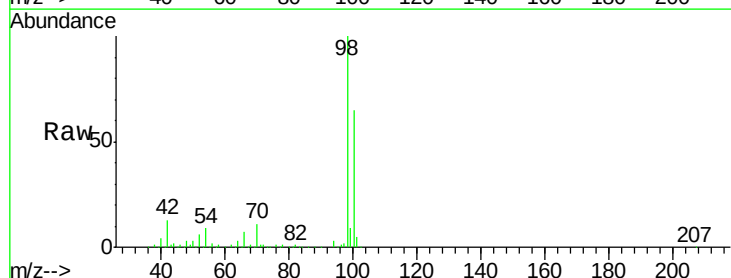
Manual Integrations
APPROVED

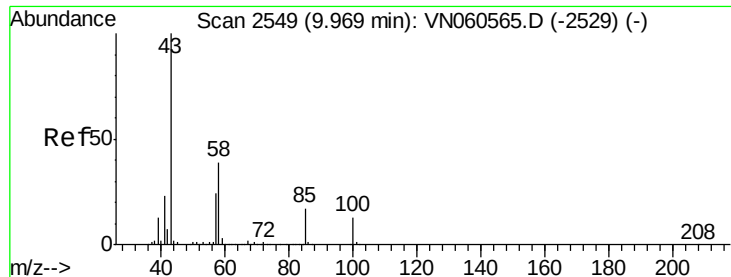
MMDadoda
4/2/2020 10:13:58 AM



#50
Toluene-d8
Concen: 47.987 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	98	Resp	385421
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





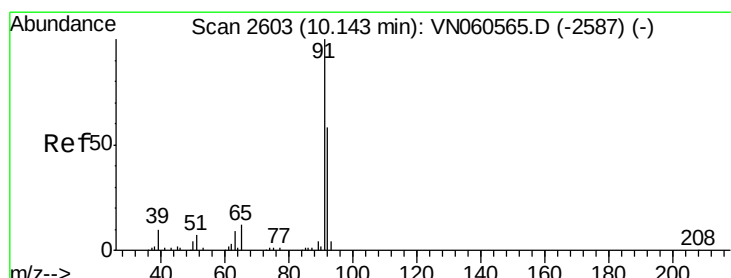
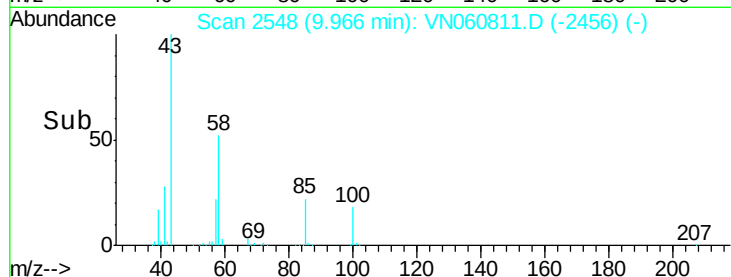
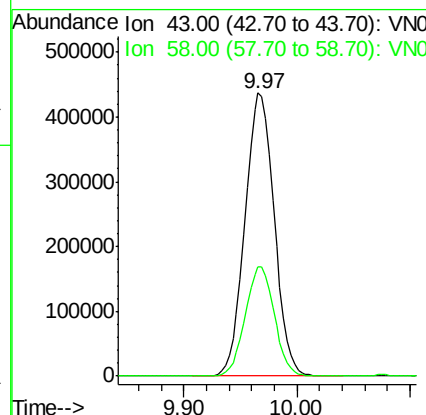
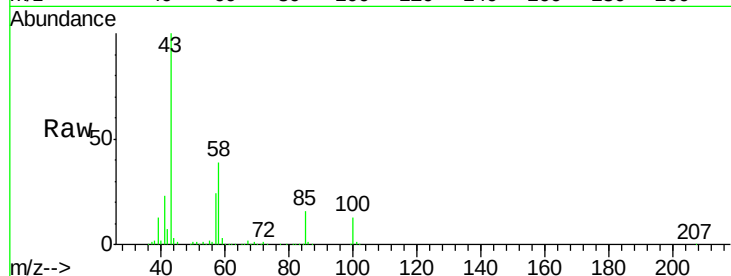
#51
 4-Methyl-2-Pentanone
 Concen: 246.932 ug/l
 RT: 9.97 min Scan# 2548
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.8	46.2

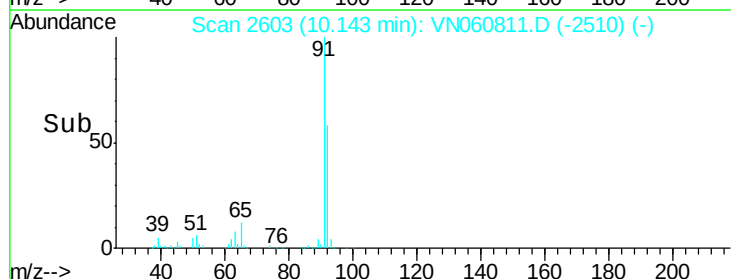
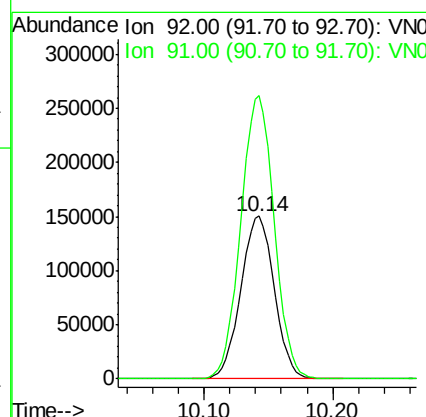
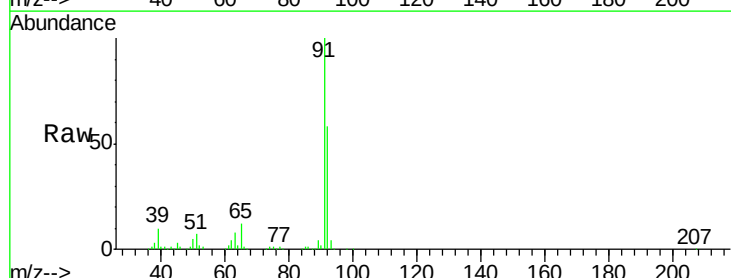
Manual Integrations
 APPROVED

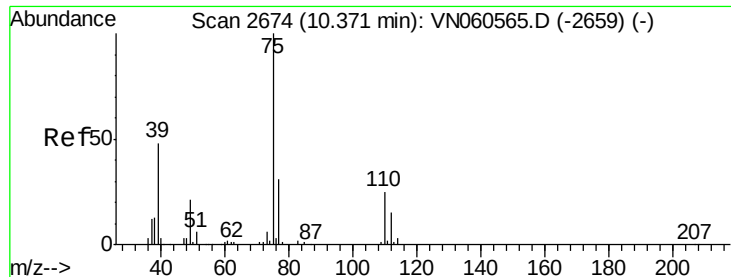
MMDadoda
 4/2/2020 10:13:58 AM



#52
 Toluene
 Concen: 47.357 ug/l
 RT: 10.14 min Scan# 2603
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.4	137.6	206.4





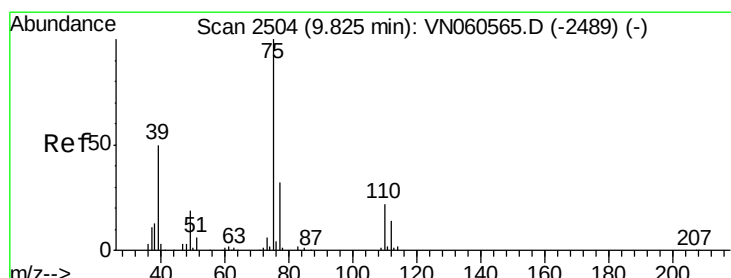
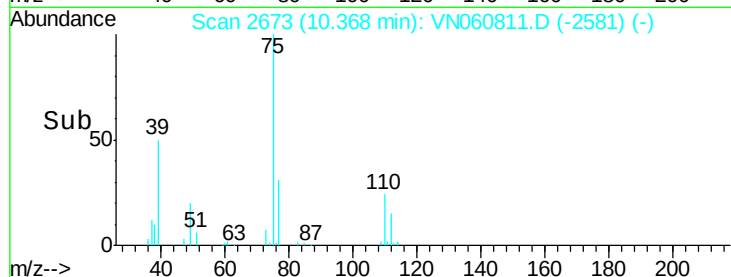
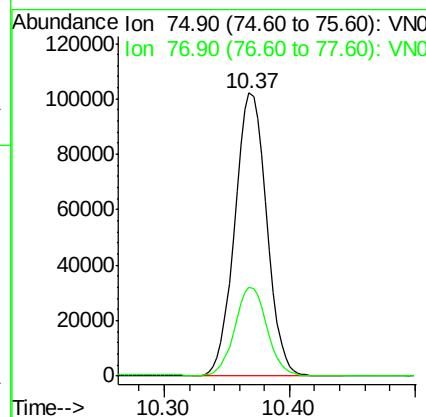
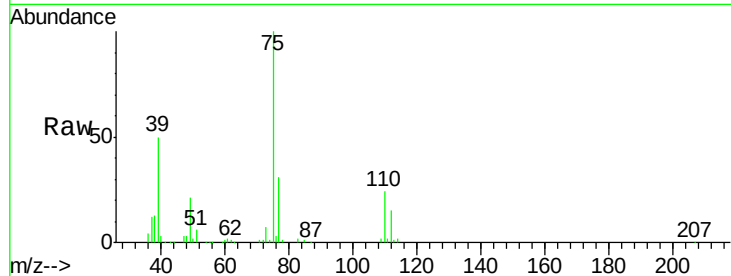
#53
t-1,3-Dichloropropene
Concen: 49.848 ug/l
RT: 10.37 min Scan# 2673
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 75 Resp: 180430
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7

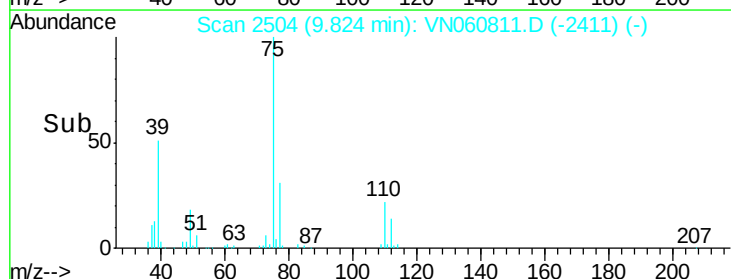
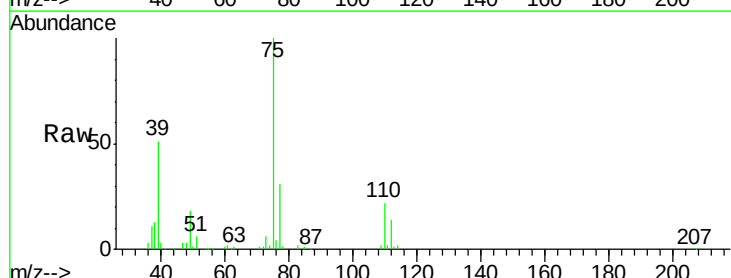
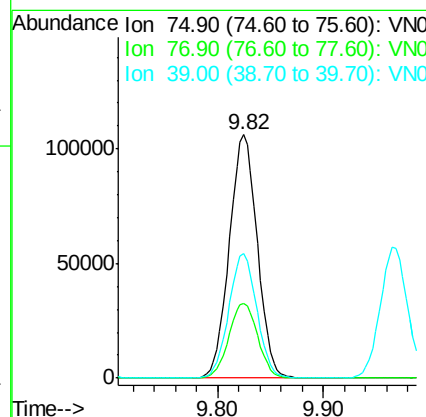
Manual Integrations
APPROVED

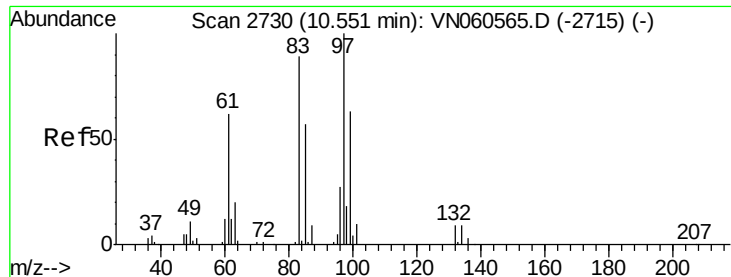
MMDadoda
4/2/2020 10:13:58 AM



#54
cis-1,3-Dichloropropene
Concen: 48.987 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 75 Resp: 194522
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.0
39 51.1 40.2 60.4





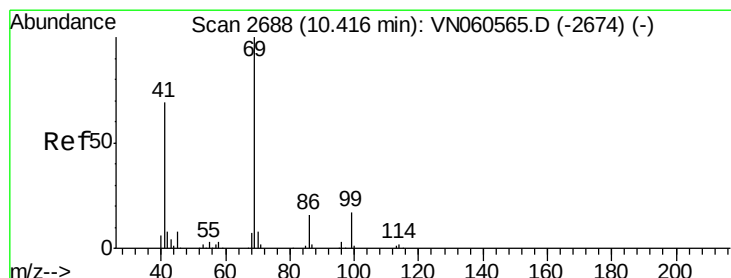
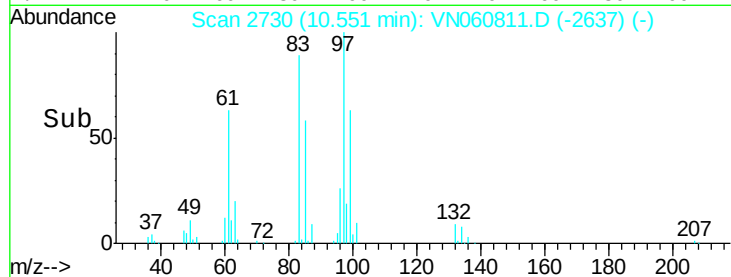
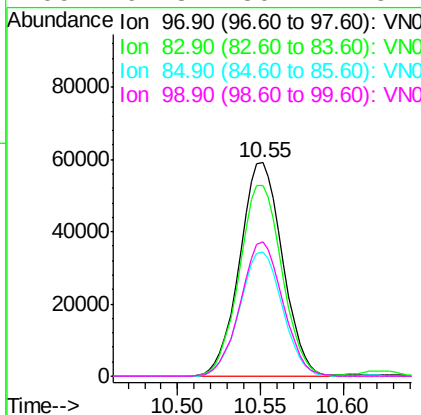
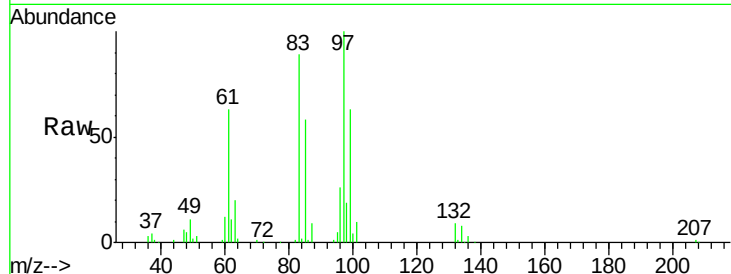
#55
 1,1,2-Trichloroethane
 Concen: 48.083 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	106195
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.3	106.9
85	58.4	45.2	67.8
99	62.8	50.1	75.1

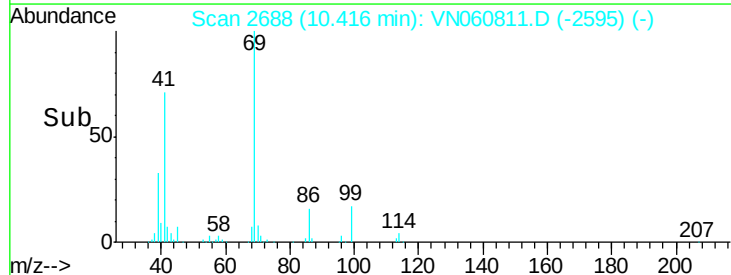
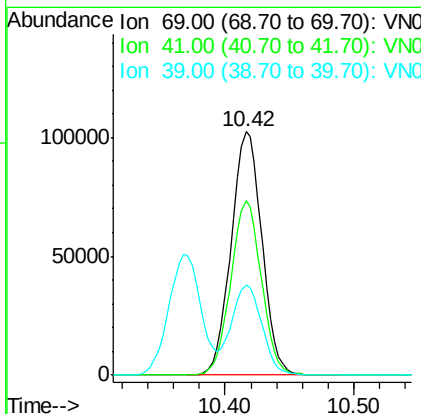
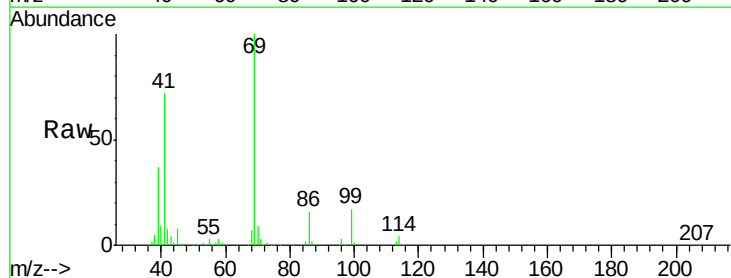
Manual Integrations
 APPROVED

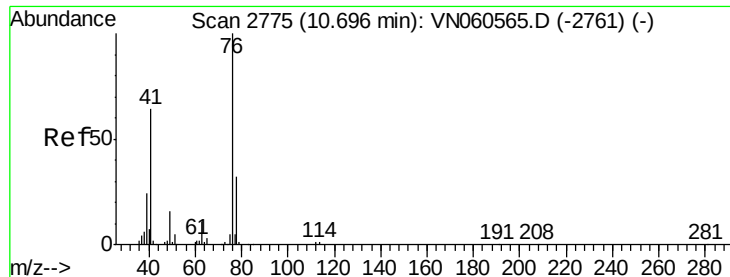
MMDadoda
 4/2/2020 10:13:58 AM



#56
 Ethyl methacrylate
 Concen: 49.293 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion:	69	Resp:	169751
Ion	Ratio	Lower	Upper
69	100		
41	70.9	55.4	83.2
39	37.1	29.4	44.0





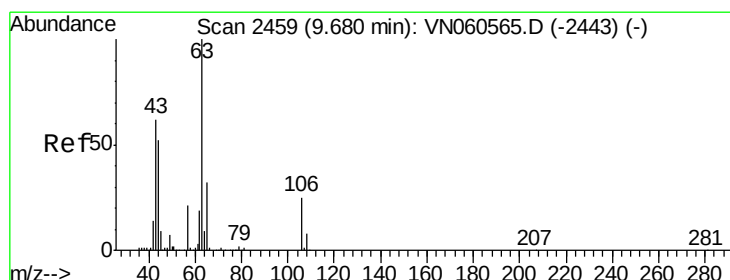
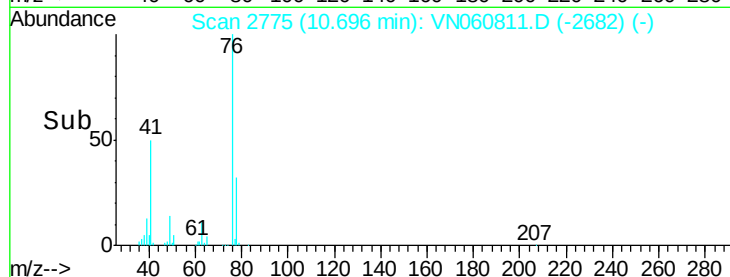
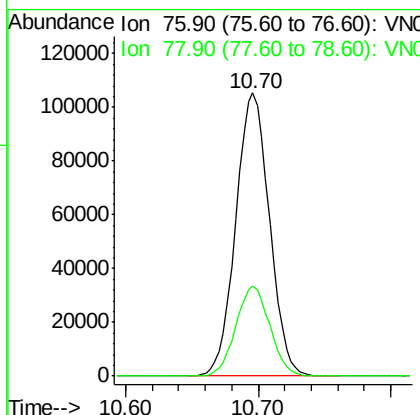
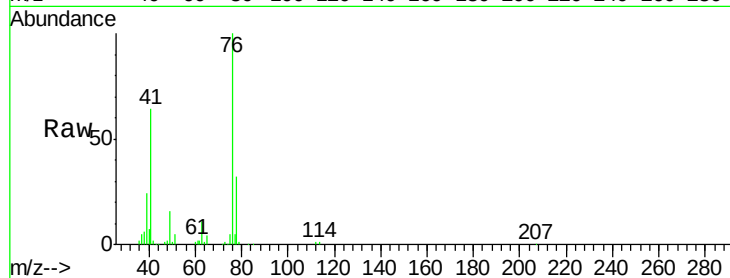
#57
 1,3-Dichloropropane
 Concen: 48.494 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.8	38.6

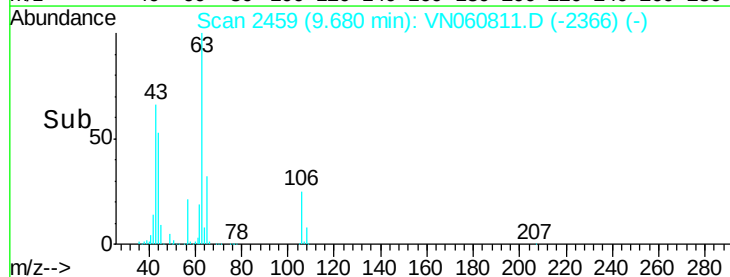
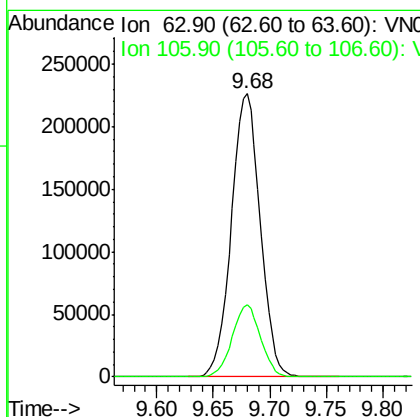
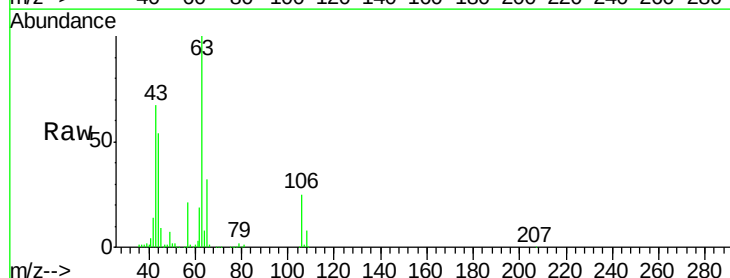
Manual Integrations
 APPROVED

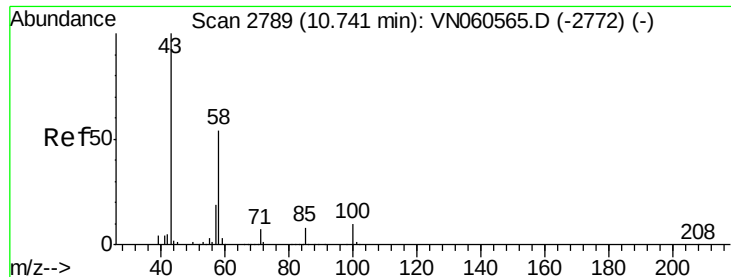
MMDadoda
 4/2/2020 10:13:58 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.617 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.0	30.0





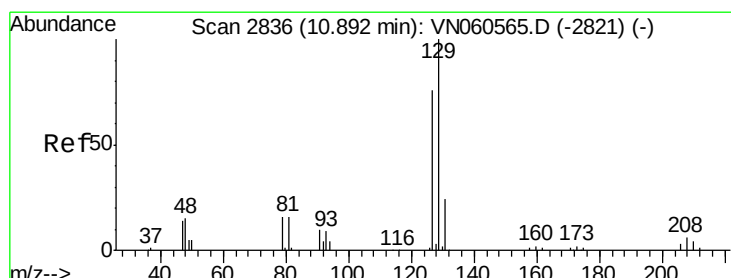
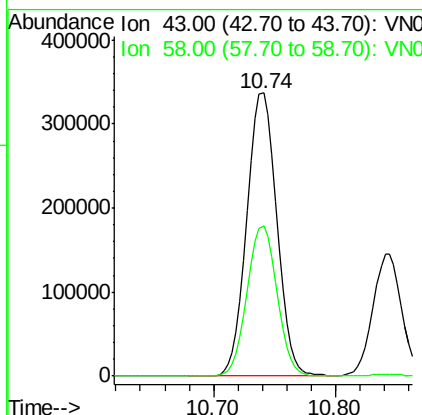
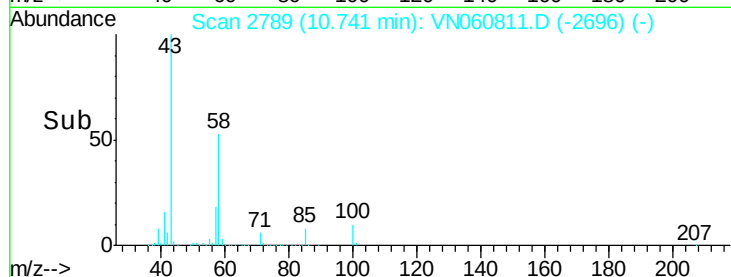
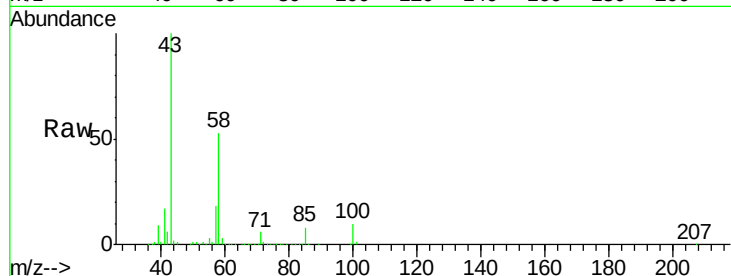
#59
2-Hexanone
Concen: 247.946 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 570316
Ion Ratio Lower Upper
43 100
58 53.0 26.7 80.1

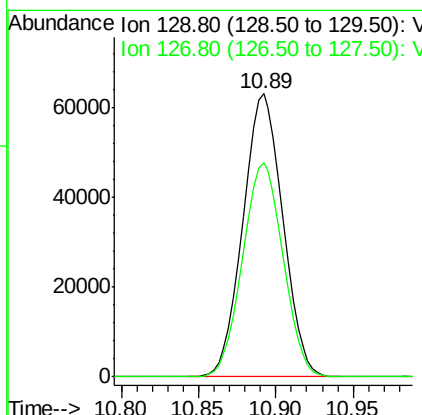
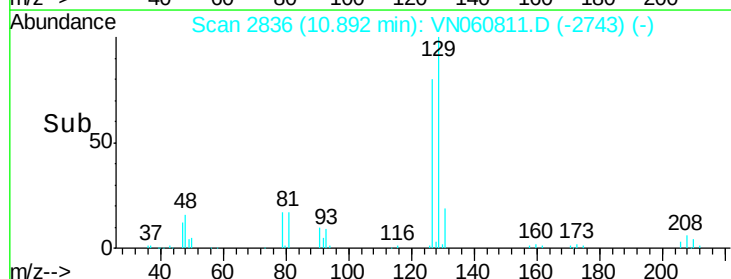
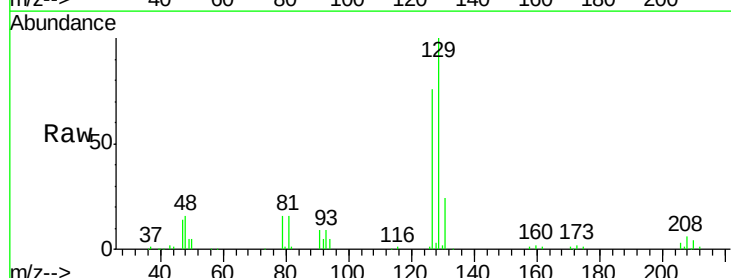
Manual Integrations
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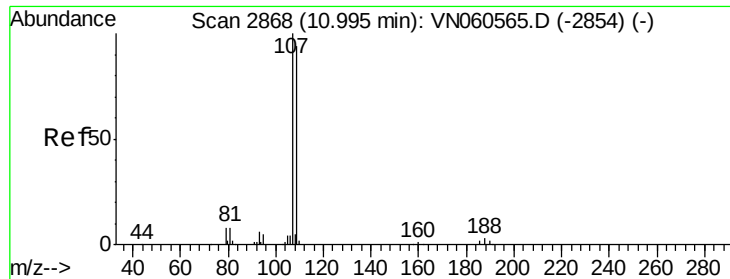
MMDadoda
4/2/2020 10:13:58 AM



#60
Dibromochloromethane
Concen: 49.848 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion: 129 Resp: 113721
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





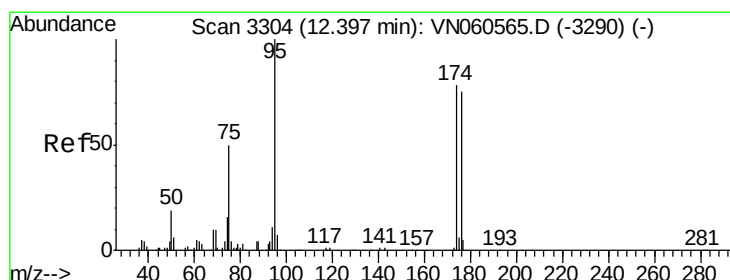
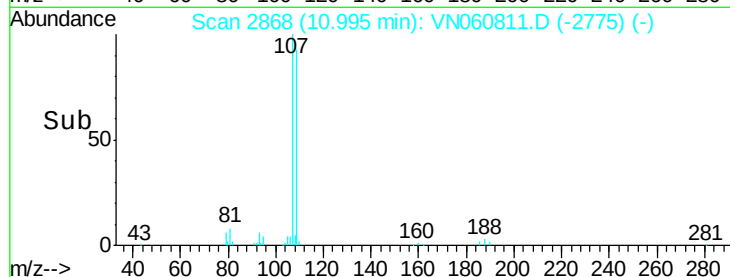
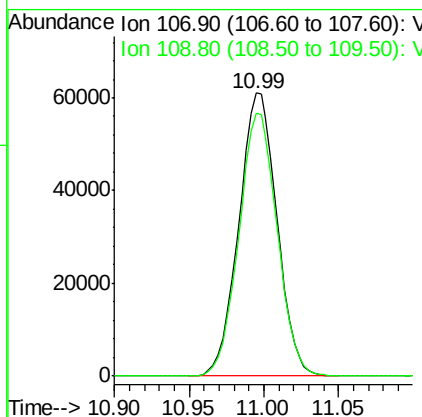
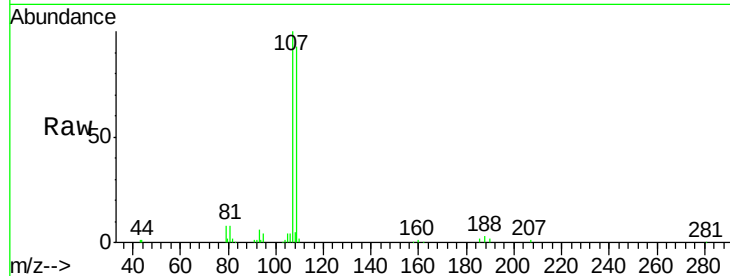
#61
 1,2-Dibromoethane
 Concen: 48.746 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.4	113.2

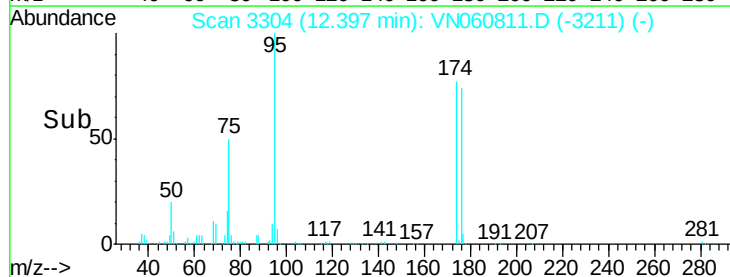
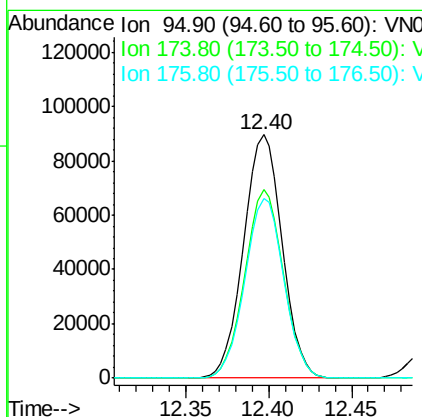
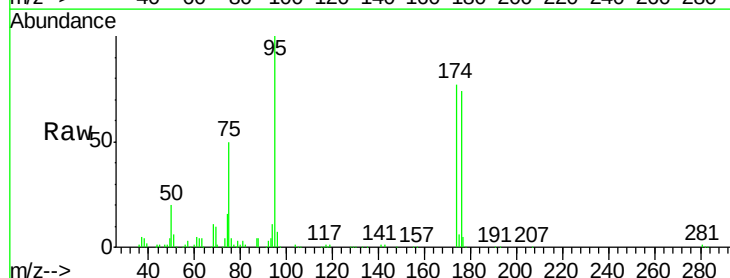
Manual Integrations
 APPROVED

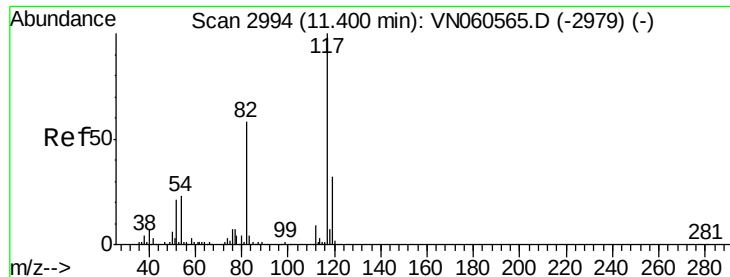
MMDadoda
 4/2/2020 10:13:58 AM



#62
 4-Bromofluorobenzene
 Concen: 49.467 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	77.4	0.0	157.6
176	74.4	0.0	150.6





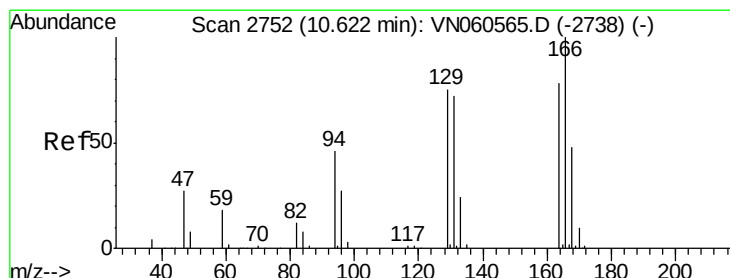
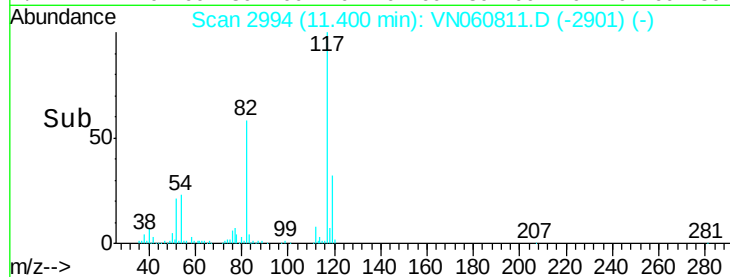
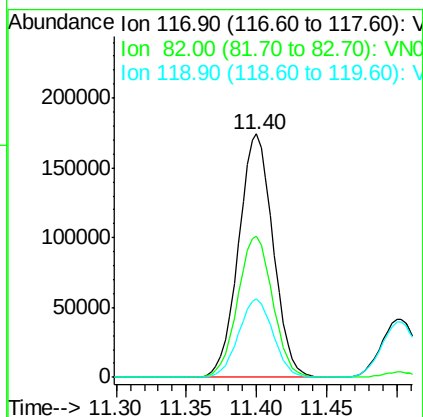
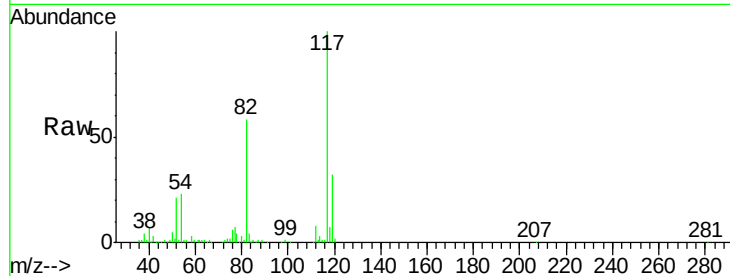
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.7	70.1
119	32.1	25.5	38.3

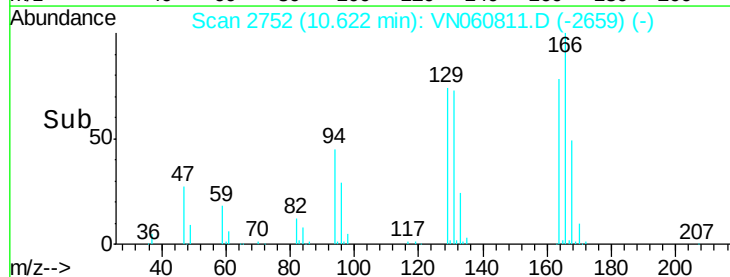
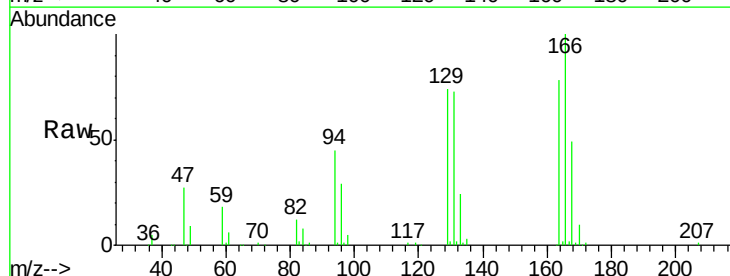
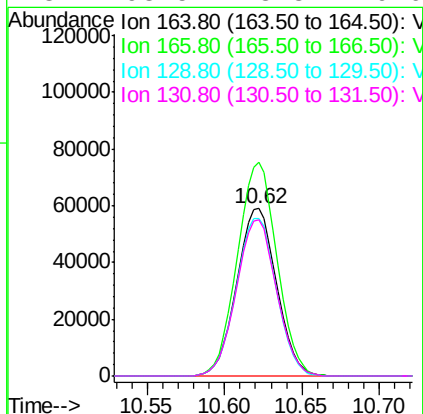
Manual Integrations
APPROVED

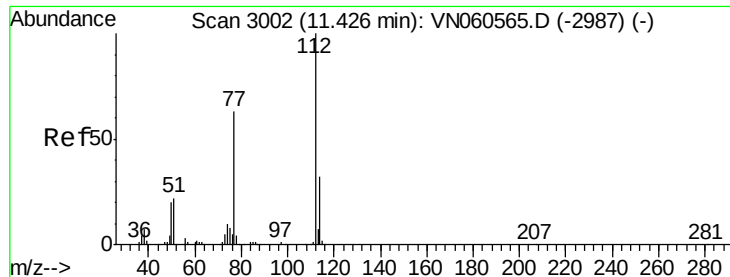
MMDadoda
4/2/2020 10:13:58 AM



#64
Tetrachloroethene
Concen: 44.761 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	102.7	154.1
129	94.3	77.2	115.8
131	93.5	73.8	110.6





#65

Chlorobenzene

Concen: 47.590 ug/l

RT: 11.43 min Scan# 3002

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:112 Resp: 282047

Ion Ratio Lower Upper

112 100

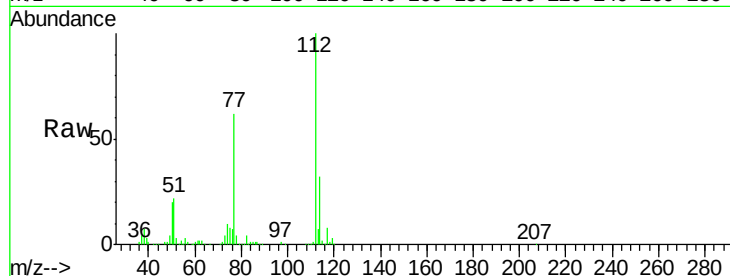
114 32.3 25.8 38.6

Manual Integrations

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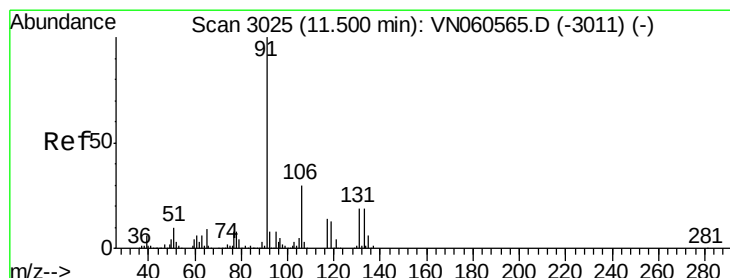
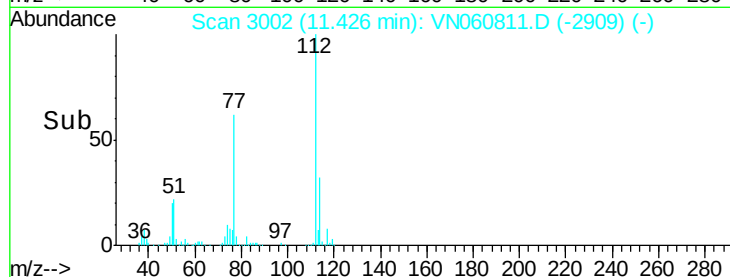
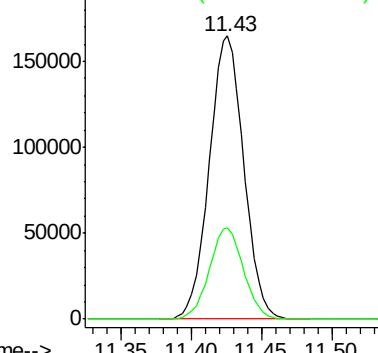
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.564 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

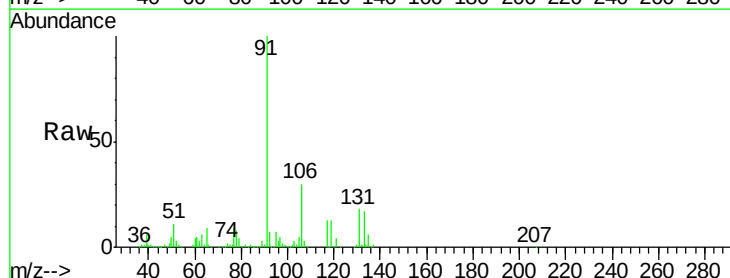
Tgt Ion:131 Resp: 104209

Ion Ratio Lower Upper

131 100

133 94.5 48.9 146.8

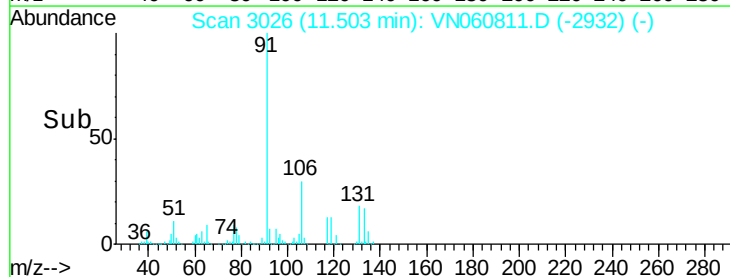
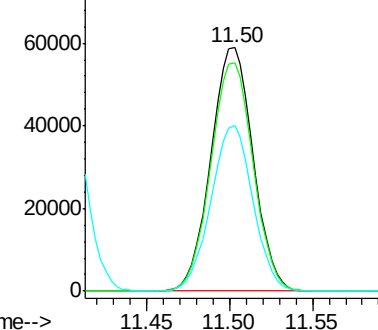
119 67.4 33.9 101.7

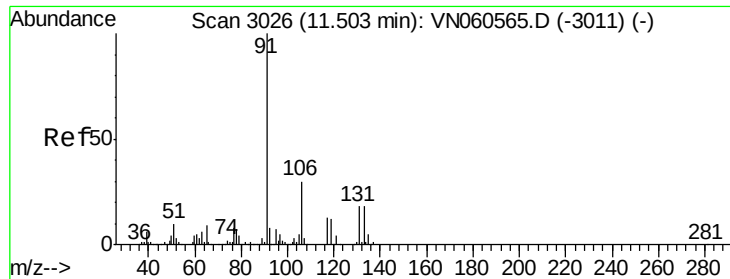


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 48.274 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 91 Resp: 532043

Ion Ratio Lower Upper

91 100

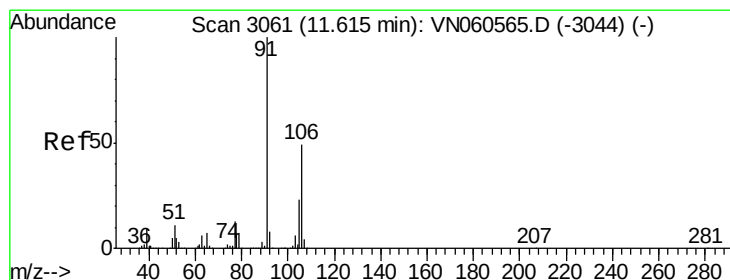
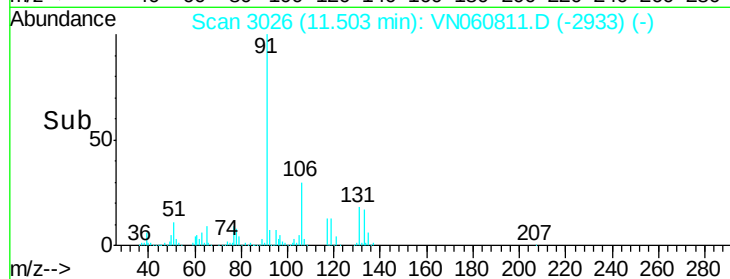
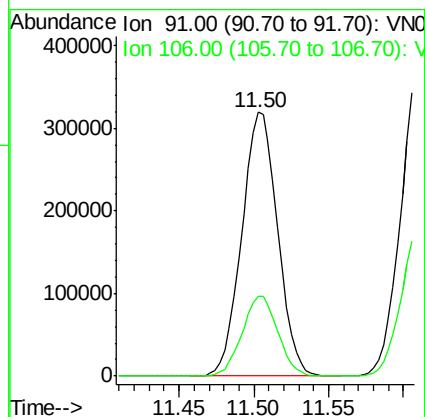
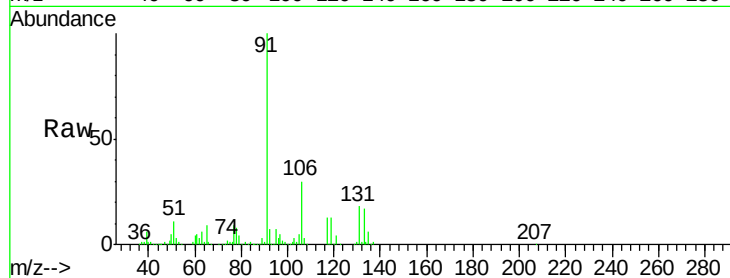
106 30.4 24.2 36.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 95.195 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN060811.D

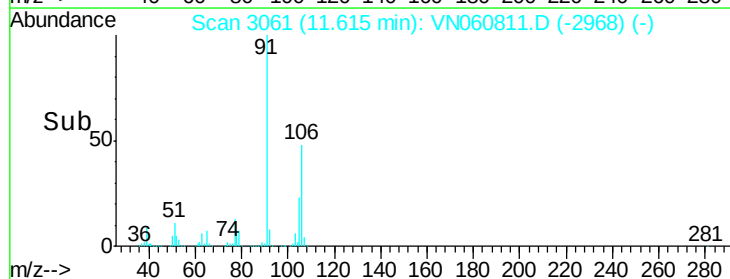
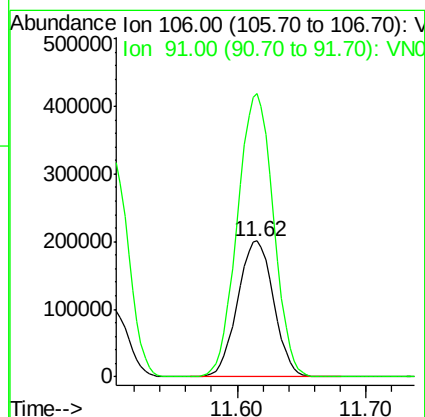
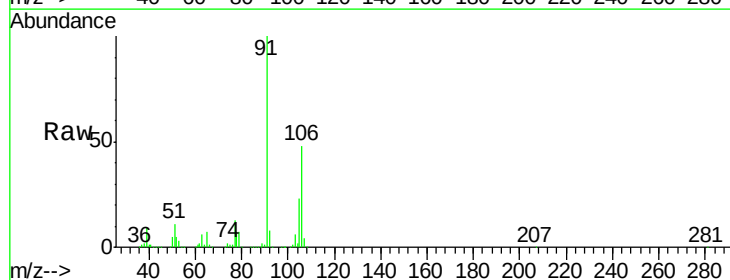
Acq: 1 Apr 2020 15:38

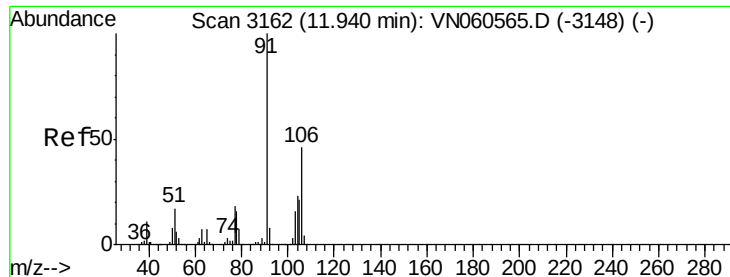
Tgt Ion: 106 Resp: 389882

Ion Ratio Lower Upper

106 100

91 208.8 165.0 247.4





#69

o-Xylene

Concen: 47.740 ug/l

RT: 11.94 min Scan# 3163

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:106 Resp: 186649

Ion Ratio Lower Upper

106 100

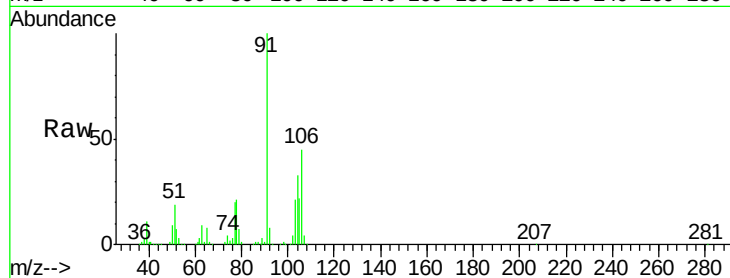
91 220.8 109.5 328.4

Manual Integrations

APPROVED

MMDadoda

4/2/2020 10:13:58 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

250000

200000

150000

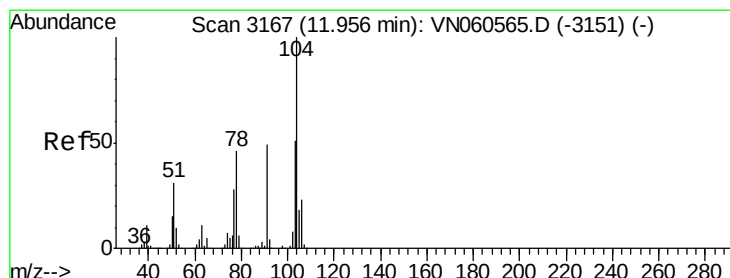
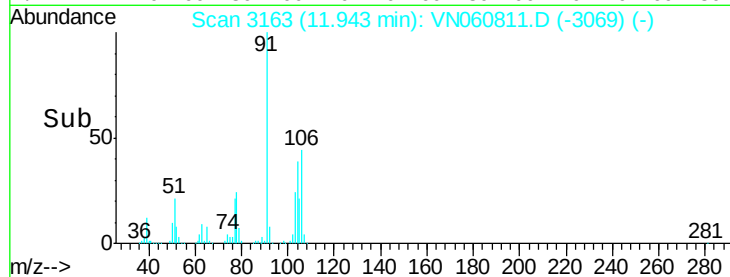
100000

50000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 48.910 ug/l

RT: 11.96 min Scan# 3167

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

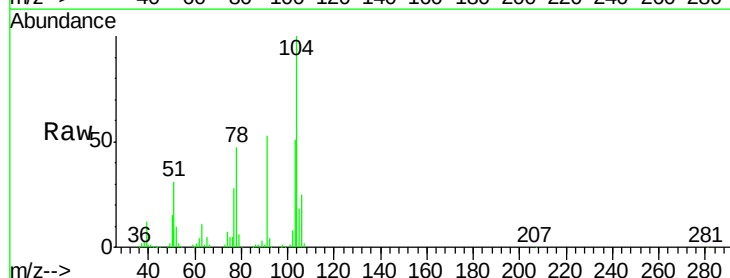
Tgt Ion:104 Resp: 312746

Ion Ratio Lower Upper

104 100

78 51.7 41.2 61.8

103 54.9 44.0 66.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

250000

200000

150000

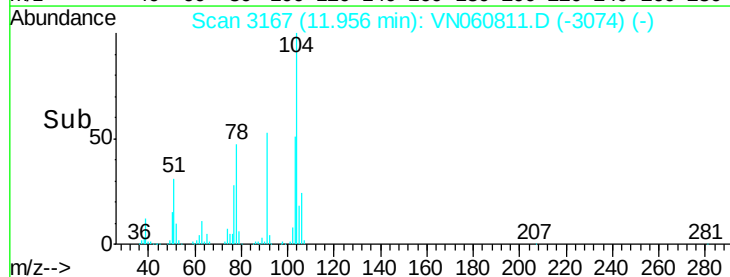
100000

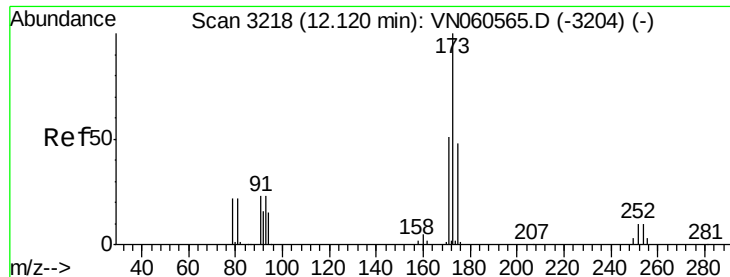
50000

0

11.90 11.95 12.00

Time-->





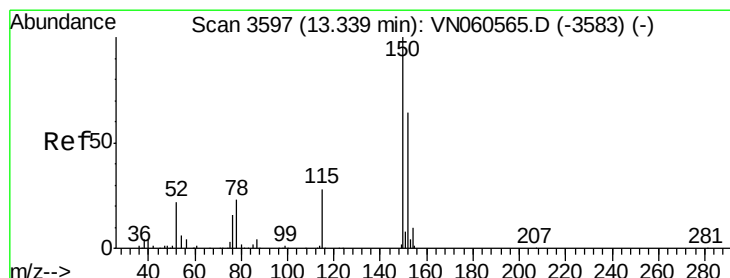
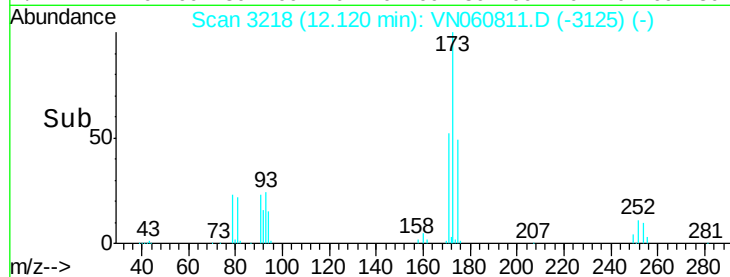
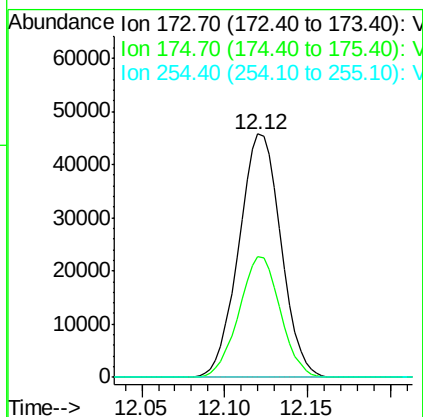
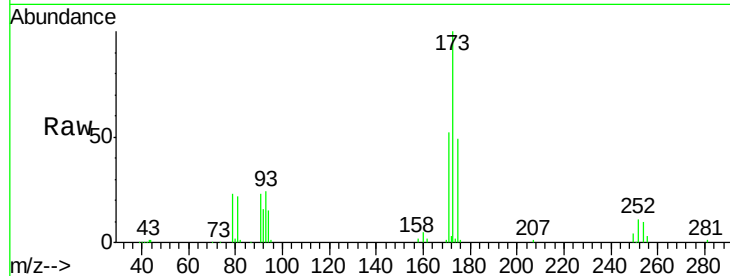
#71
Bromoform
Concen: 45.463 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

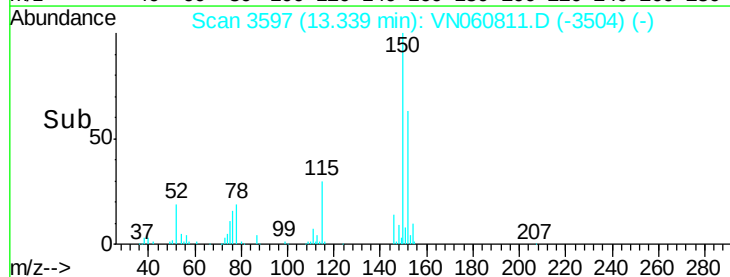
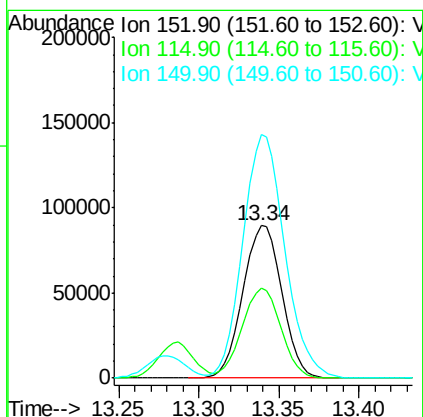
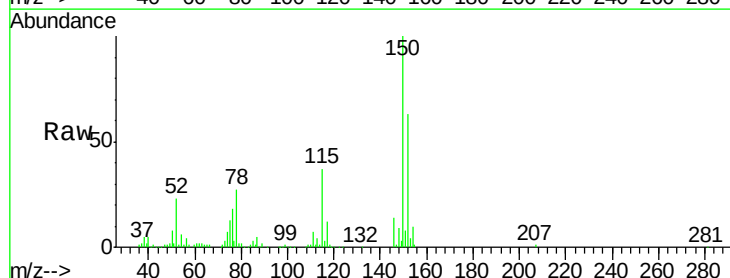
Manual Integrations
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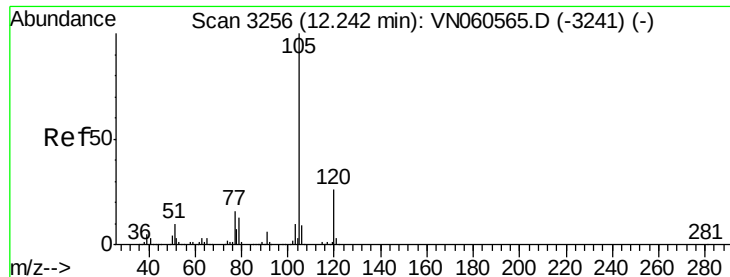
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	30.2	90.6
150	172.2	0.0	350.2





#73

Isopropylbenzene

Concen: 45.540 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 508118

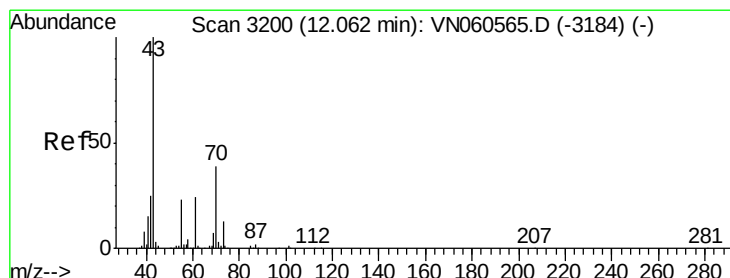
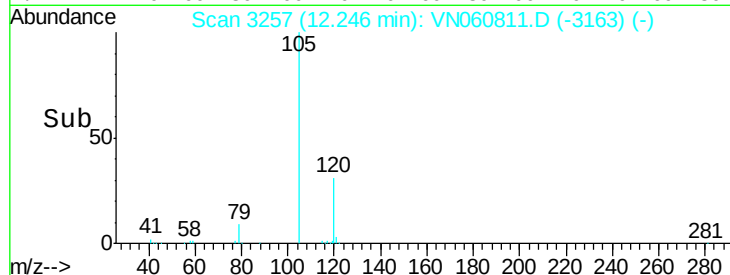
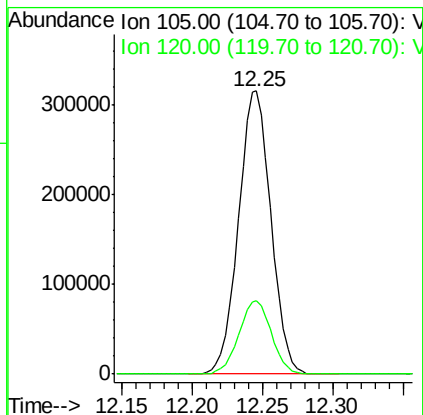
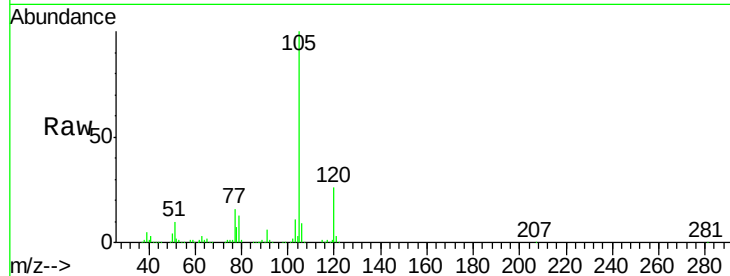
Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1

Manual Integrations
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MMDadoda
4/2/2020 10:13:58 AM



#74

N-ethyl acetate

Concen: 45.108 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion: 43 Resp: 232568

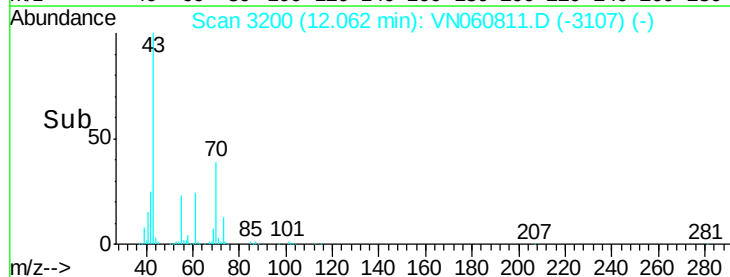
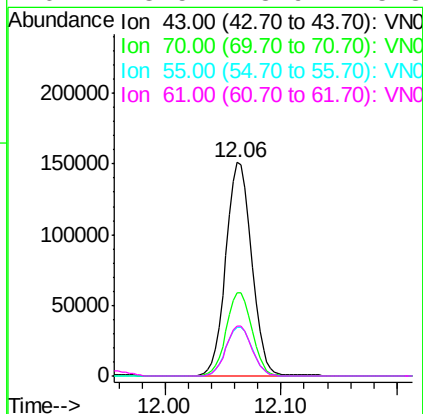
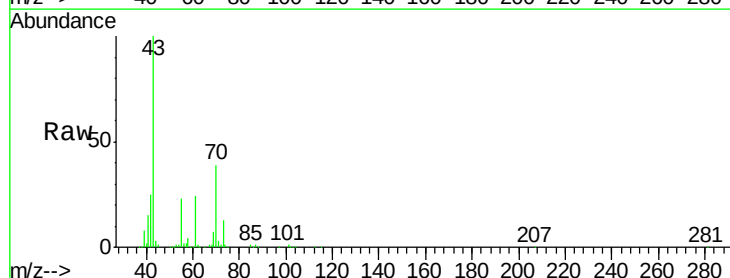
Ion Ratio Lower Upper

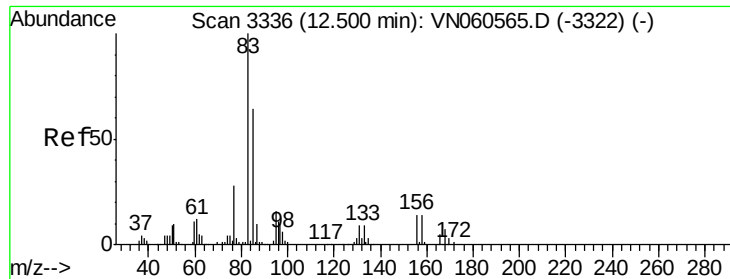
43 100

70 39.1 31.1 46.7

55 23.5 18.6 27.8

61 23.5 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 46.279 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

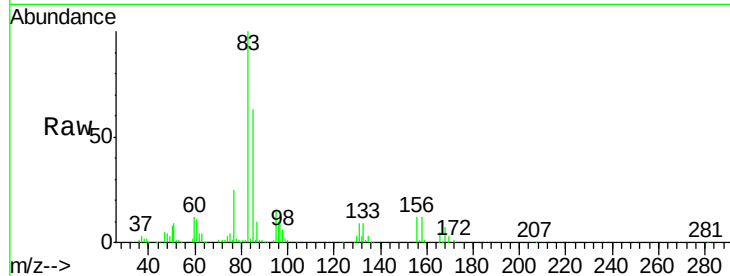
ClientSampleId :

VSTDCCC050EC

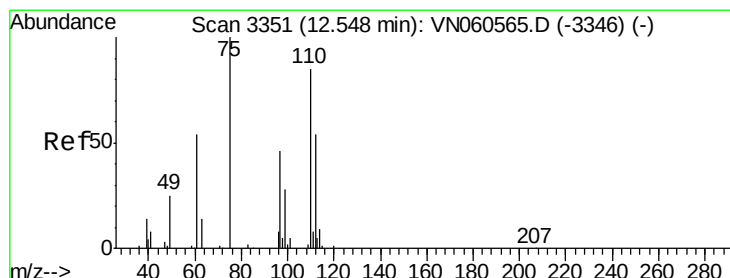
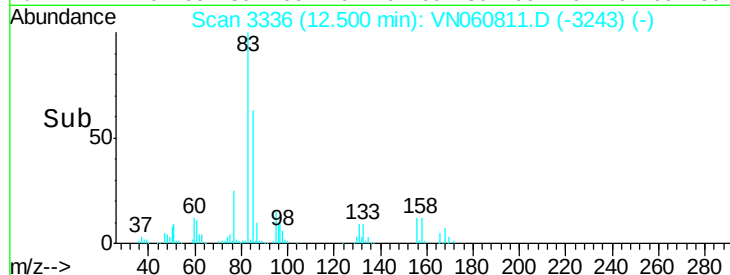
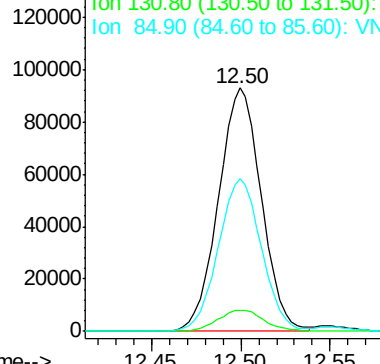
Tot Ion:	83	Resp:	156153
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.9	14.7
85	63.0	32.5	97.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN060811.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 40.766 ug/l m

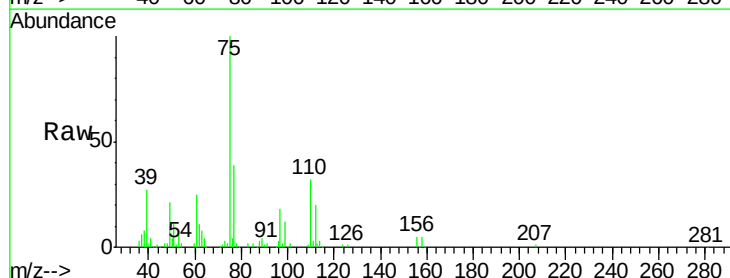
RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

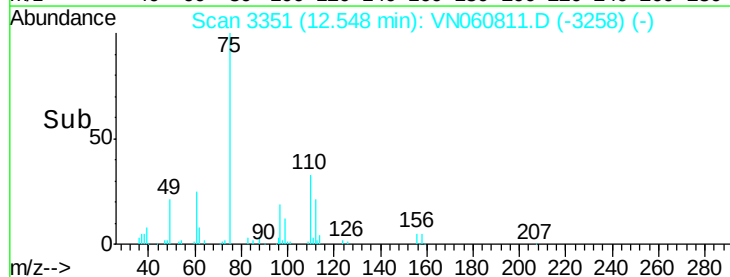
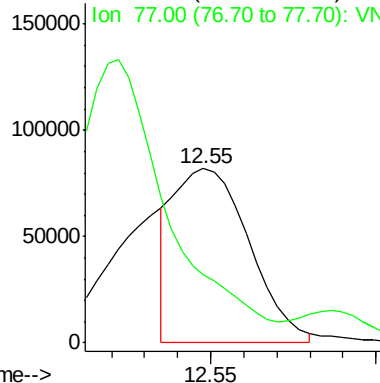
Lab File: VN060811.D

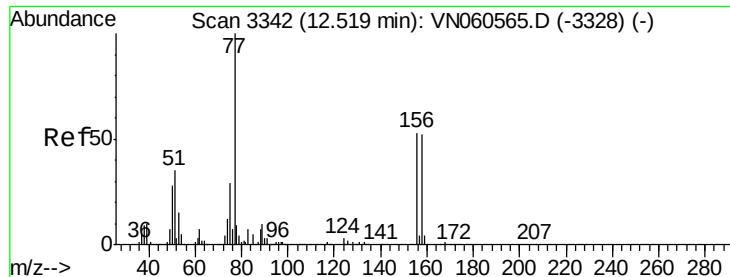
Acq: 1 Apr 2020 15:38

Tgt Ion:	75	Resp:	130784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060811.D (-3258) (-)





#77

Bromobenzene

Concen: 44.734 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Instrument :

MSVOA_N

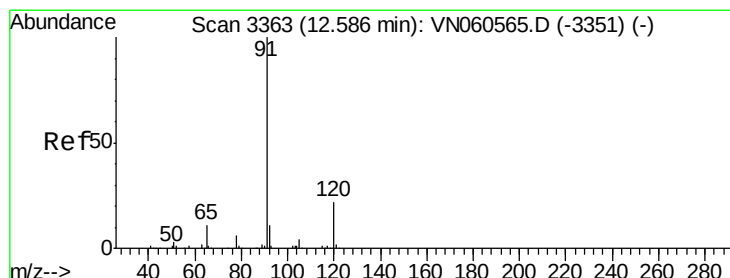
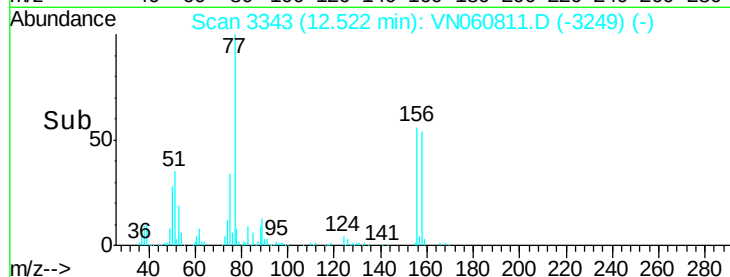
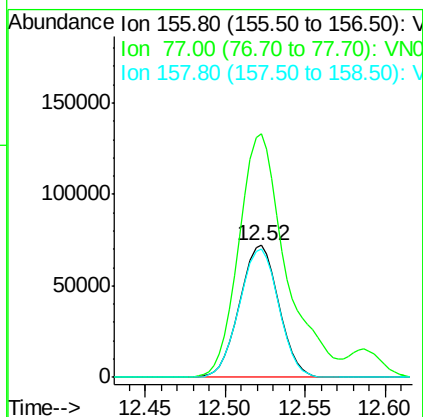
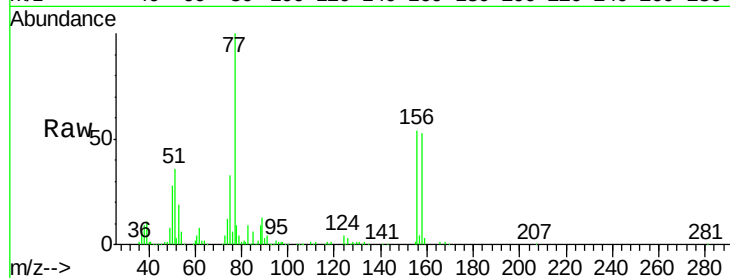
ClientSampled :

VSTDCCC050EC

Tot Ion:	156	Resp:	120271
Ion Ratio	Lower	Upper	
156	100		
77	222.4	112.3	337.0
158	98.1	48.6	145.8

Manual Integrations
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#78

n-propylbenzene

Concen: 46.117 ug/l

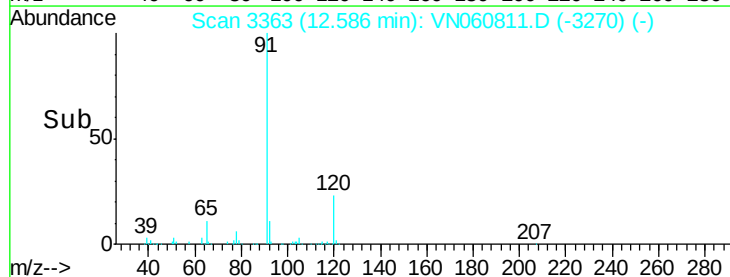
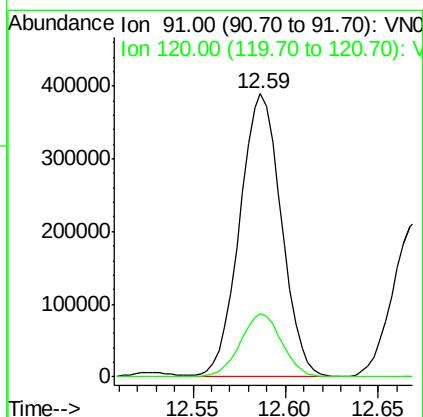
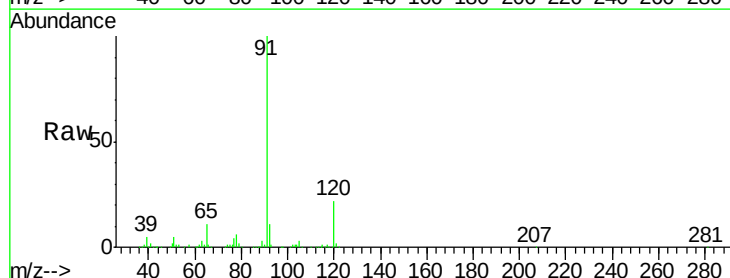
RT: 12.59 min Scan# 3363

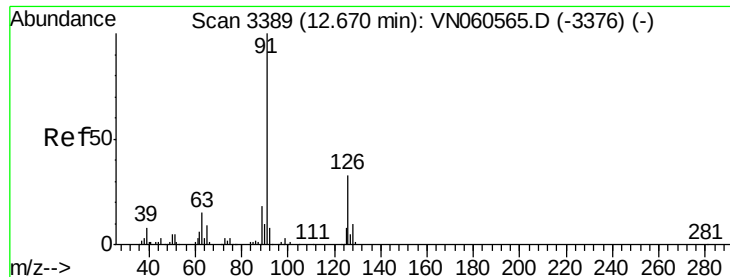
Delta R.T. -0.00 min

Lab File: VN060811.D

Acq: 1 Apr 2020 15:38

Tgt Ion:	91	Resp:	607913
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.3	33.8





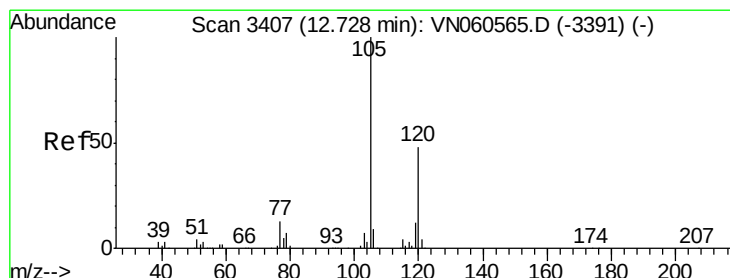
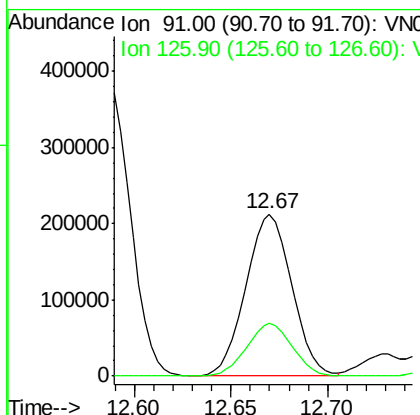
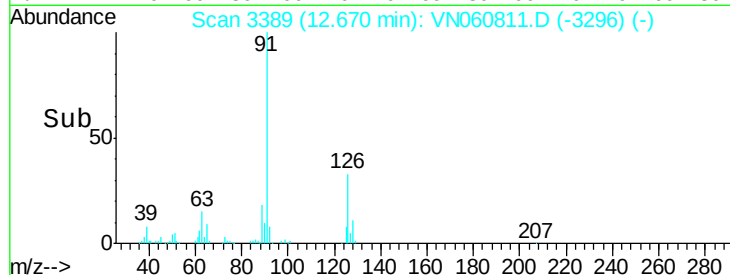
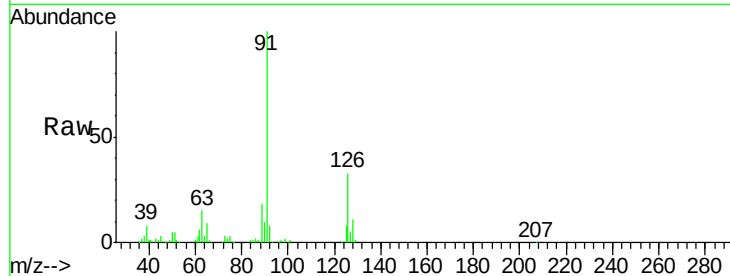
#79
 2-Chlorotoluene
 Concen: 44.670 ug/l
 RT: 12.67 min Scan# 3389
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion: 91 Resp: 351829
 Ion Ratio Lower Upper
 91 100
 126 32.5 16.4 49.1

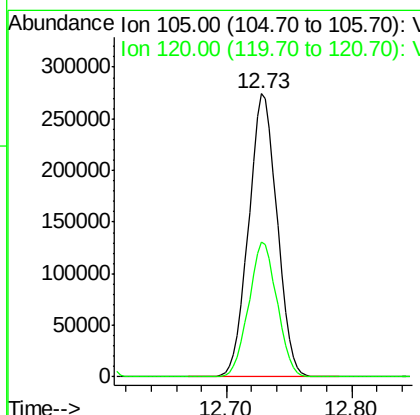
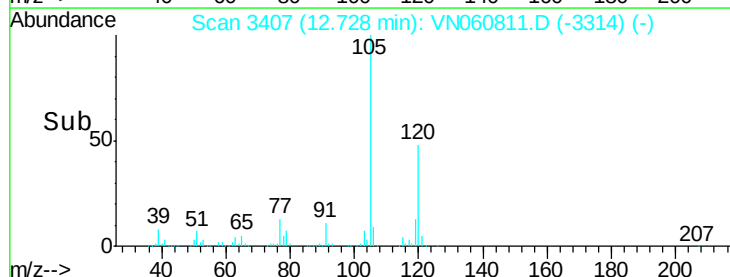
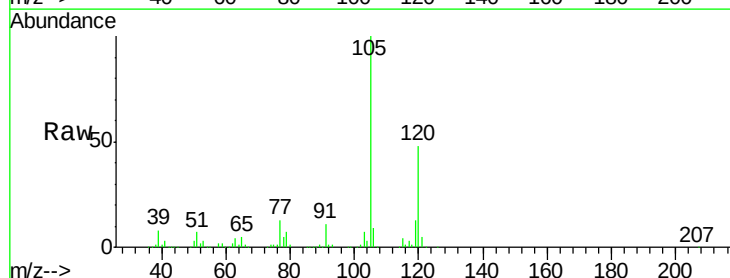
Manual Integrations
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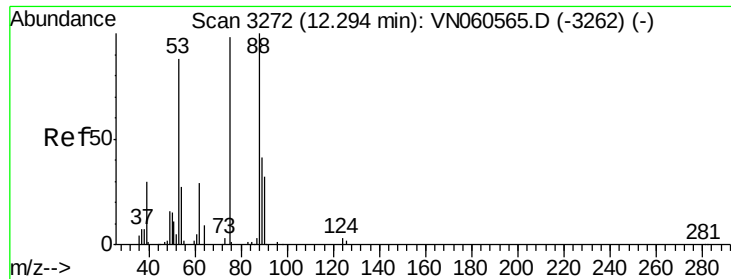
MMDadoda
 4/2/2020 10:13:58 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 45.751 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion: 105 Resp: 433200
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.9 71.7





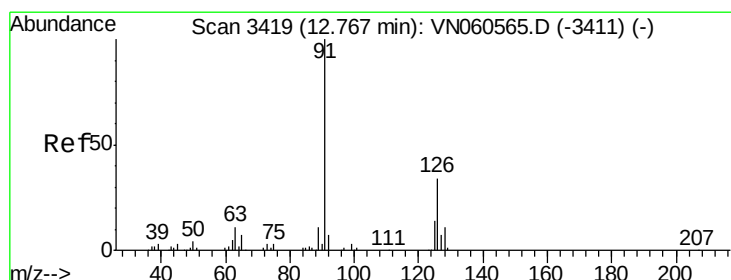
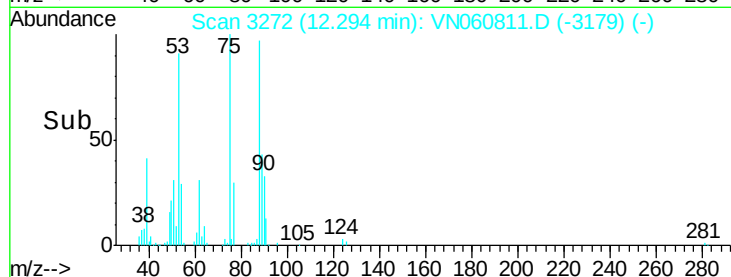
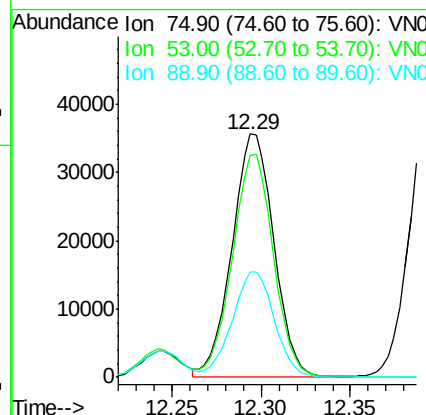
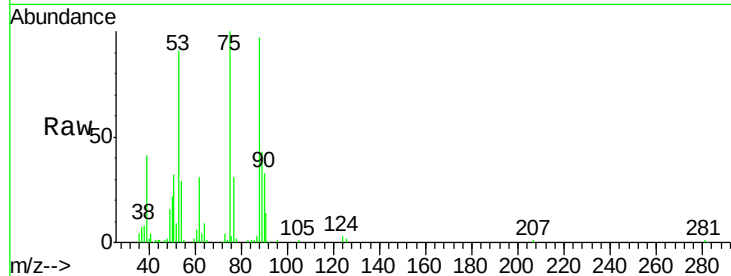
#81
trans-1,4-Dichloro-2-butene
Concen: 46.720 ug/l
RT: 12.29 min Scan# 3272
Delta R.T. -0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.2	73.0	109.4
89	43.6	34.8	52.2

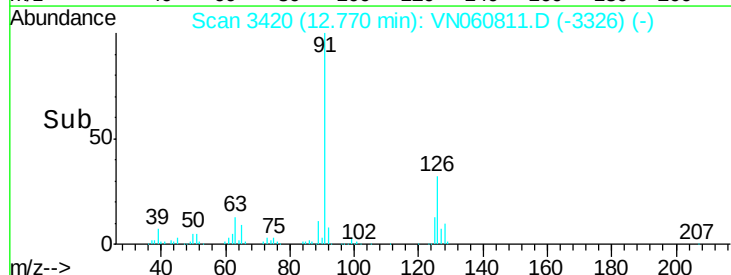
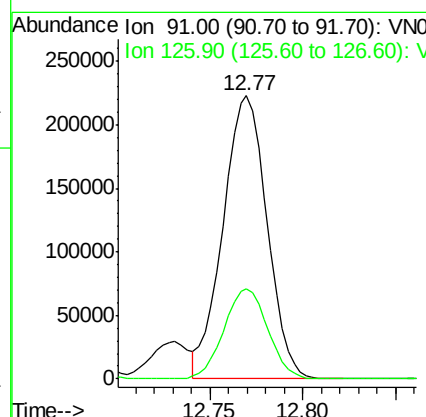
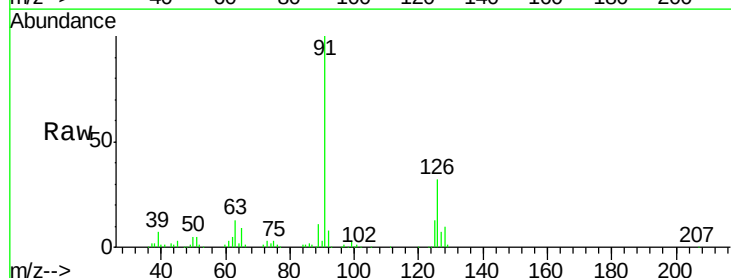
Manual Integrations
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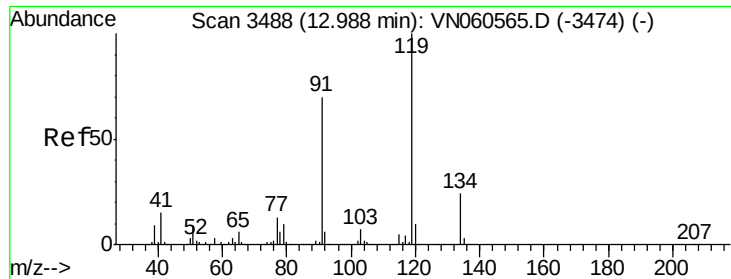
MMDadoda
4/2/2020 10:13:58 AM



#82
4-Chlorotoluene
Concen: 45.594 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.8	16.2	48.5





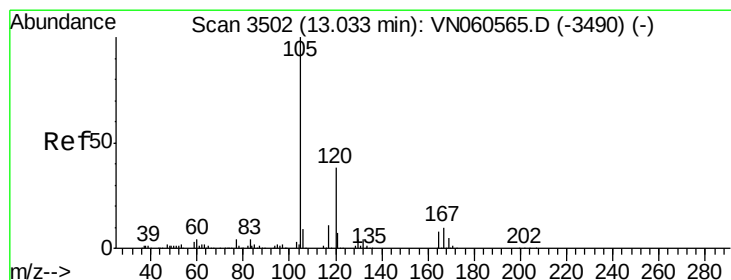
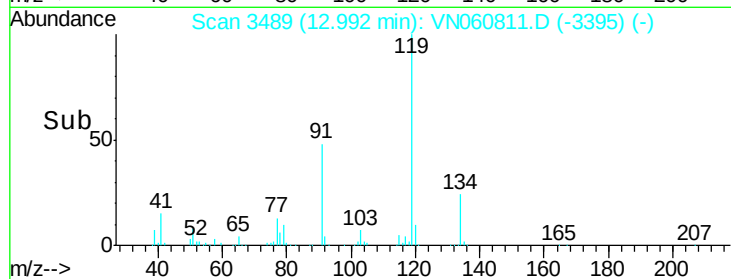
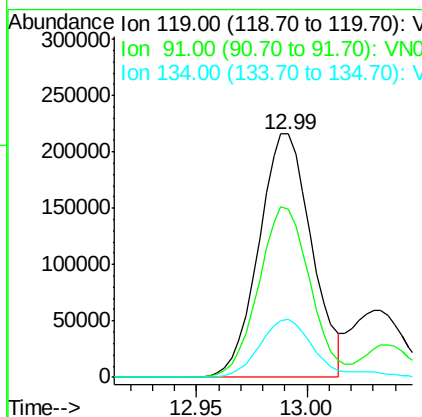
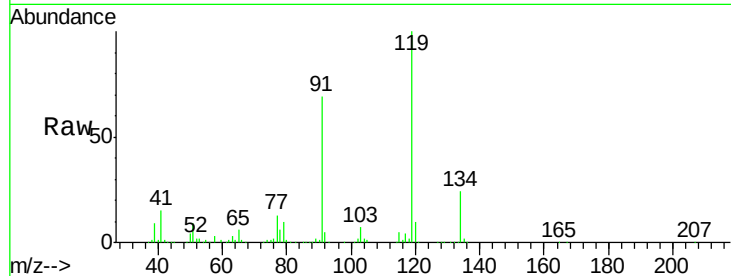
#83
 tert-Butylbenzene
 Concen: 45.550 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.1	34.0	101.8
134	25.2	12.7	38.0

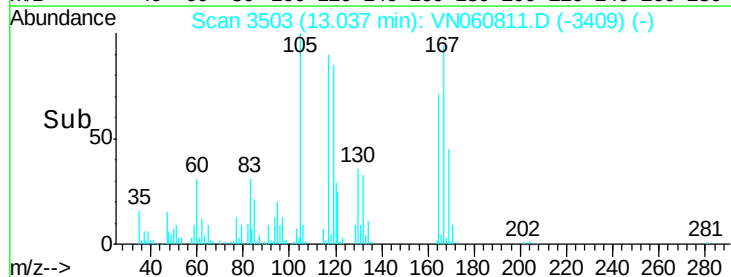
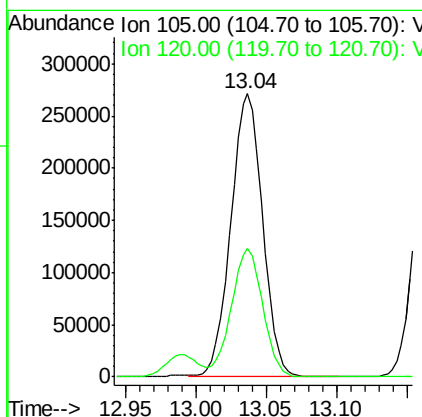
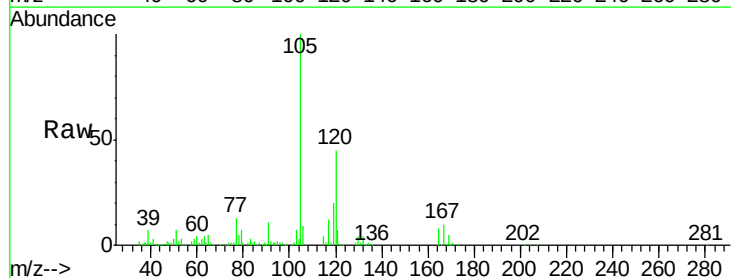
Manual Integrations
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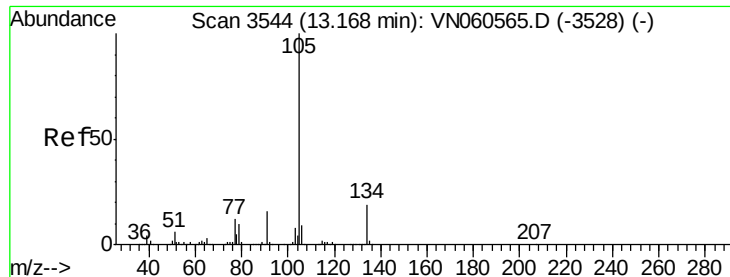
MMDadoda
 4/2/2020 10:13:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 45.665 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.1	66.5





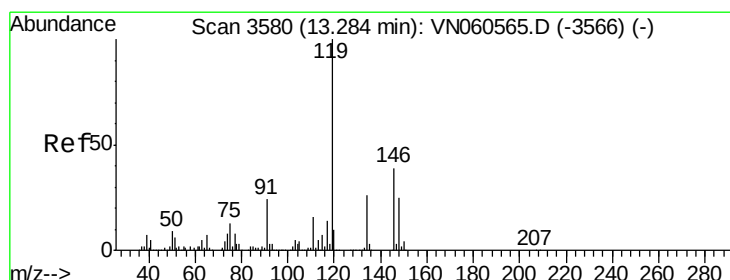
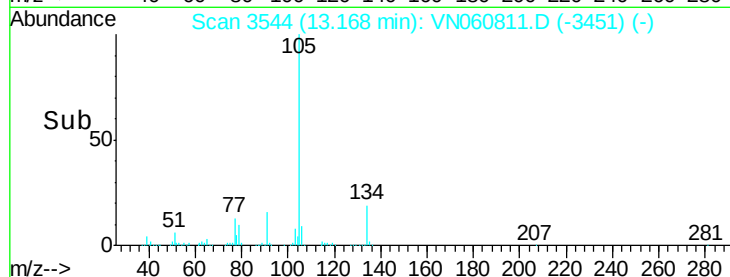
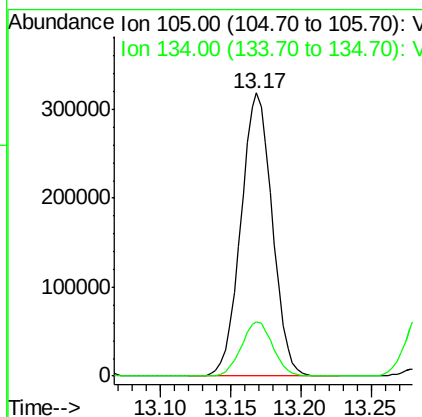
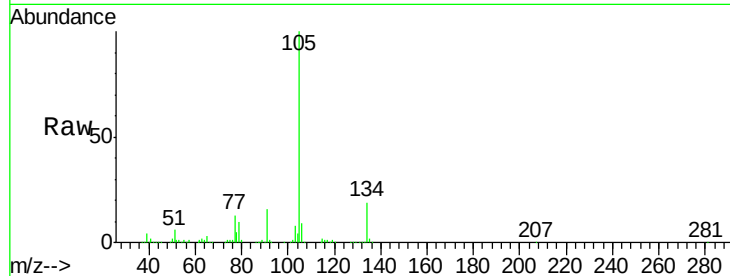
#85
 sec-Butylbenzene
 Concen: 47.038 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

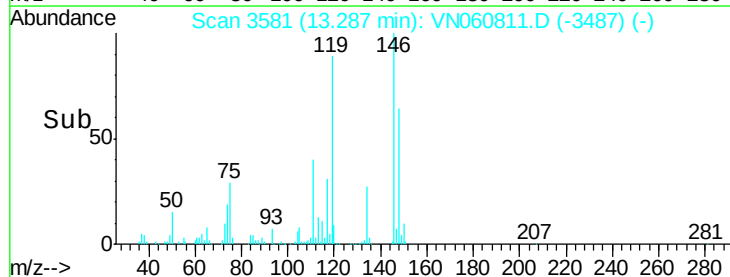
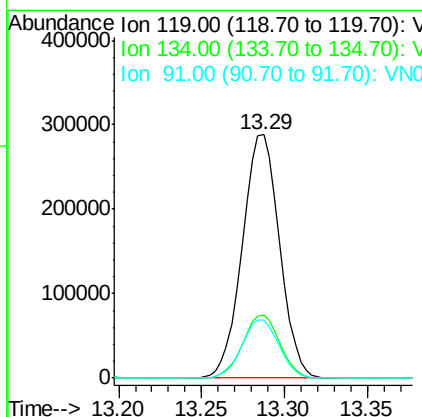
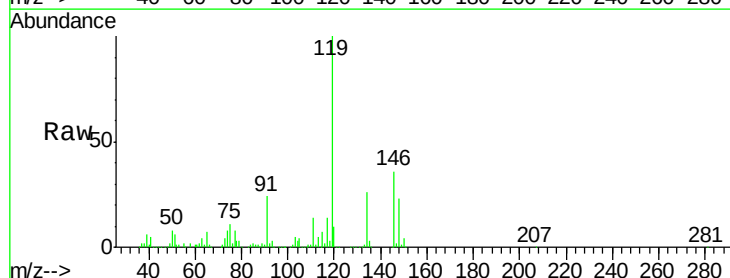
Manual Integrations
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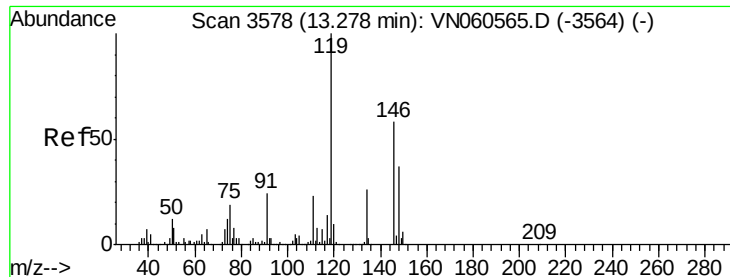
MMDadoda
 4/2/2020 10:13:58 AM



#86
 p-Isopropyltoluene
 Concen: 47.245 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	13.0	39.0
91	24.2	12.0	36.0





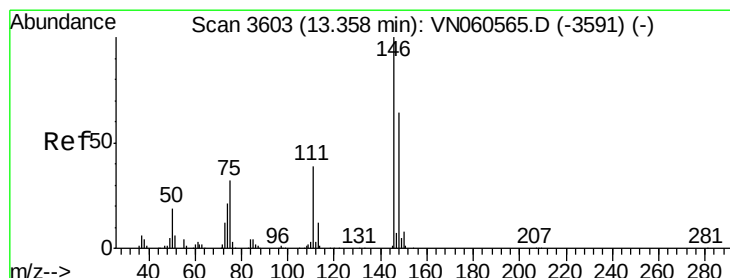
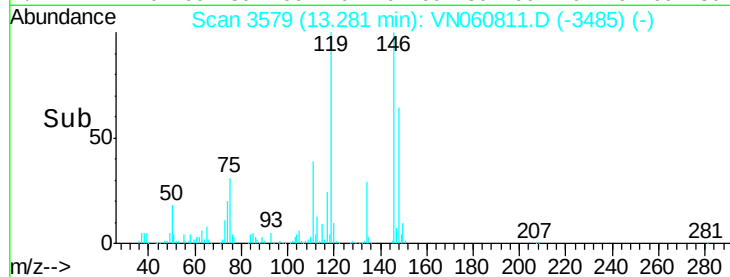
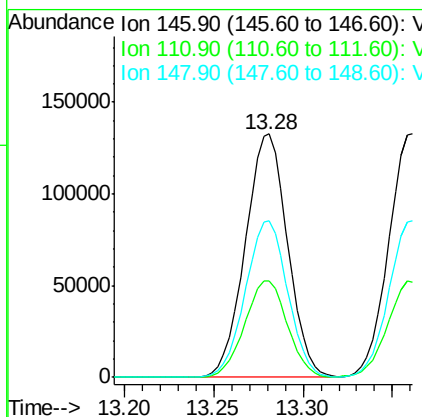
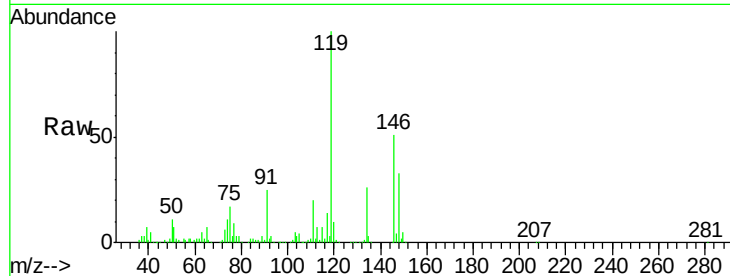
#87
 1,3-Dichlorobenzene
 Concen: 46.368 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.3	60.8
148	64.2	32.5	97.4

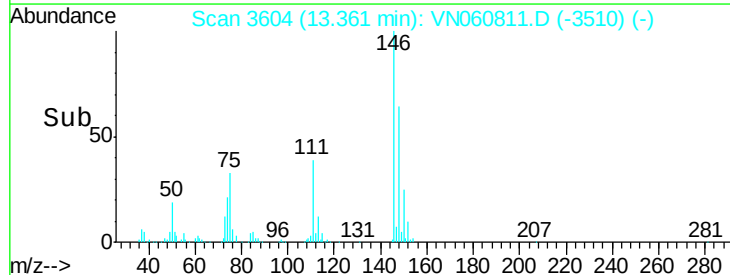
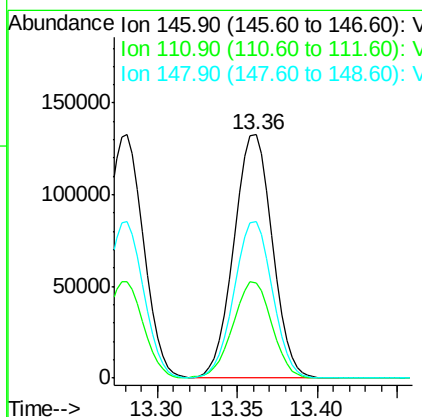
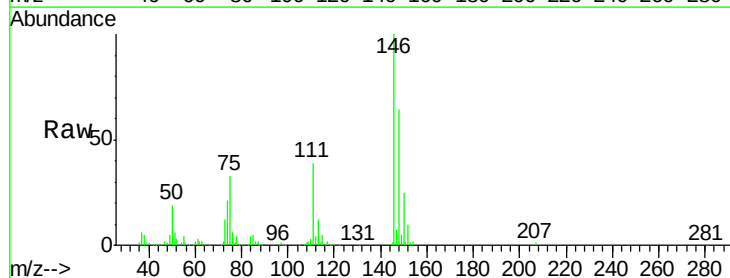
Manual Integrations
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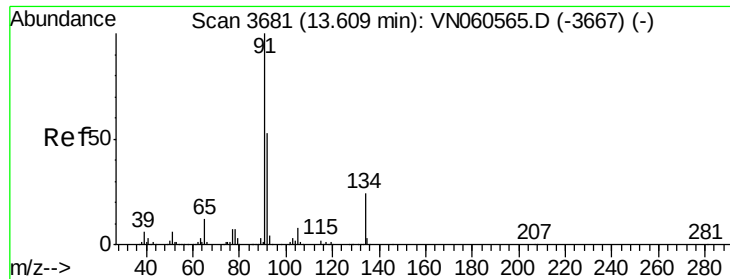
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#88
 1,4-Dichlorobenzene
 Concen: 45.634 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	19.6	58.7
148	64.1	32.1	96.3





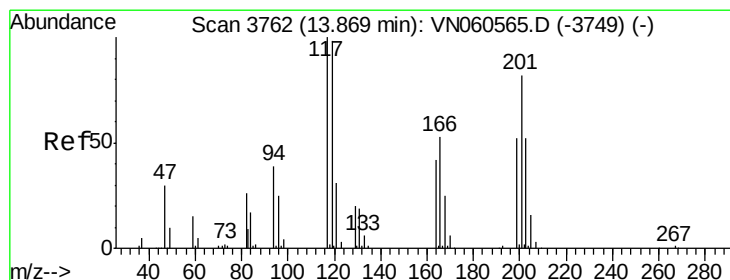
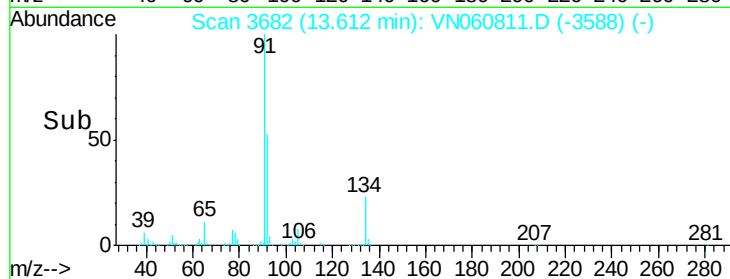
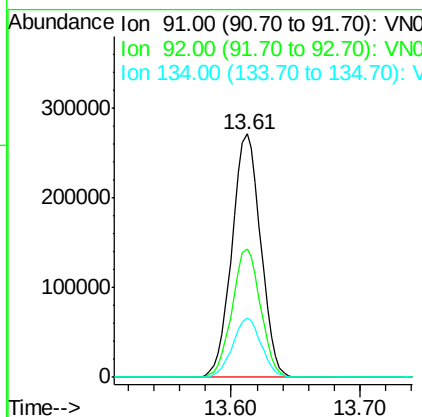
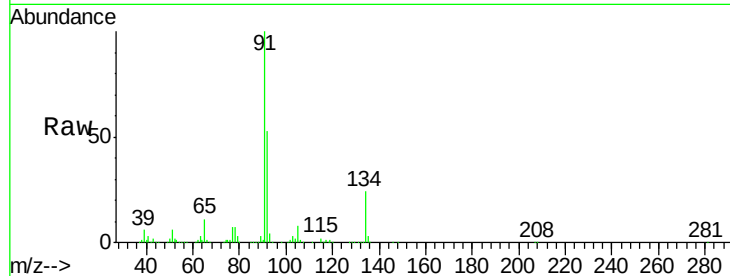
#89
n-Butylbenzene
Concen: 48.785 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	26.2	78.5
134	24.1	12.3	36.9

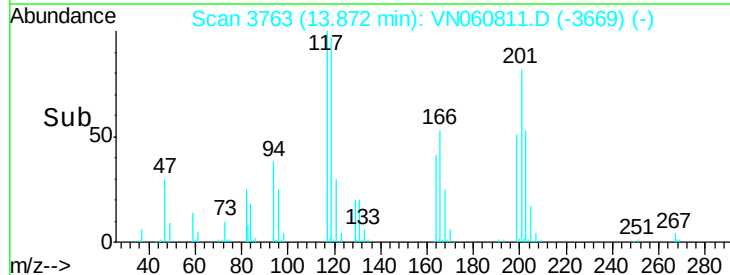
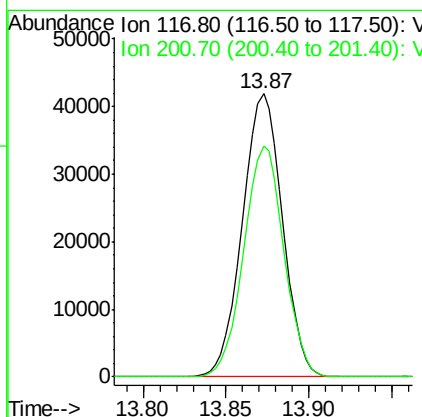
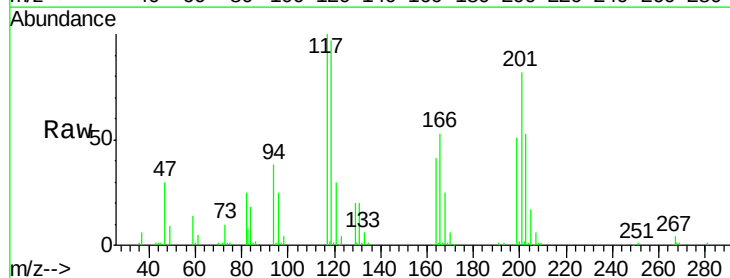
Manual Integrations
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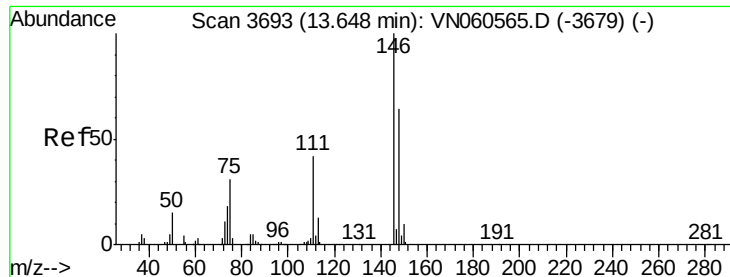
MMDadoda
4/2/2020 10:13:58 AM



#90
Hexachloroethane
Concen: 50.996 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	40.8	122.5





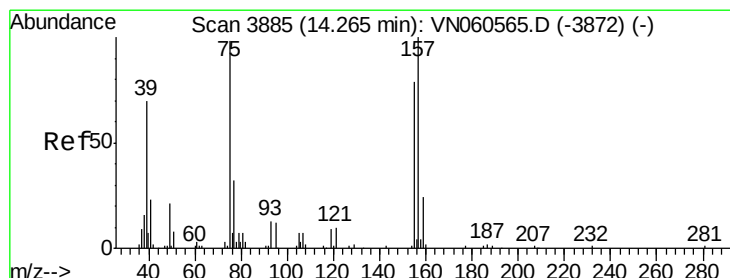
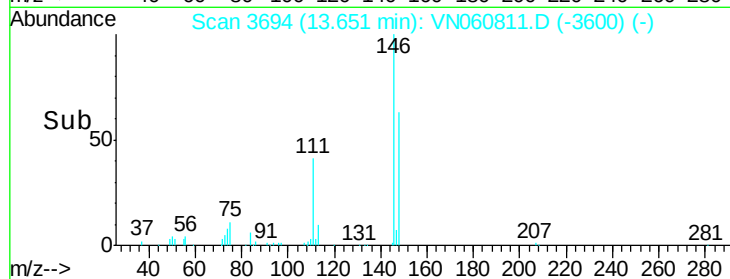
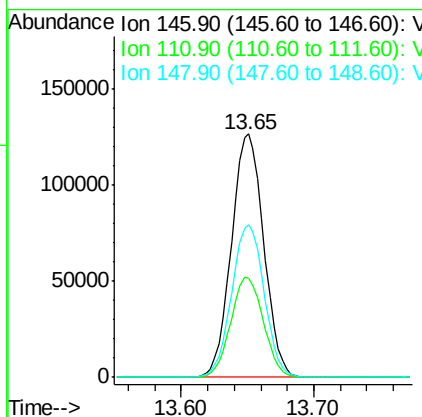
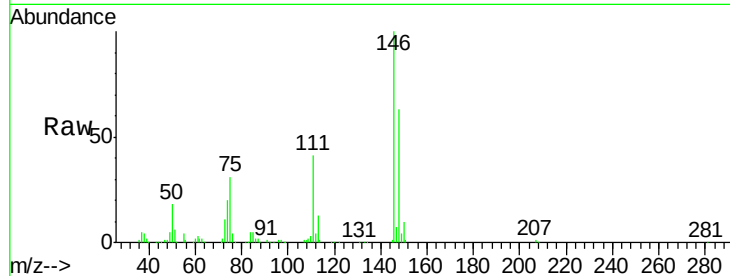
#91
 1,2-Dichlorobenzene
 Concen: 47.140 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.2	31.9	95.5

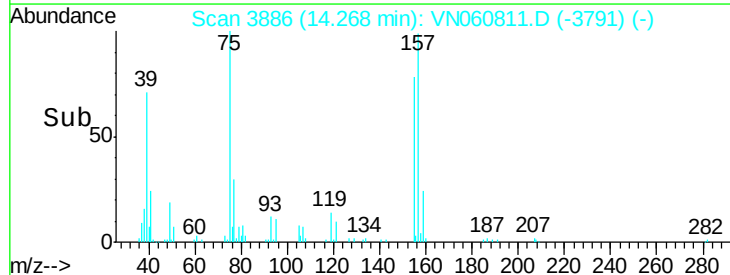
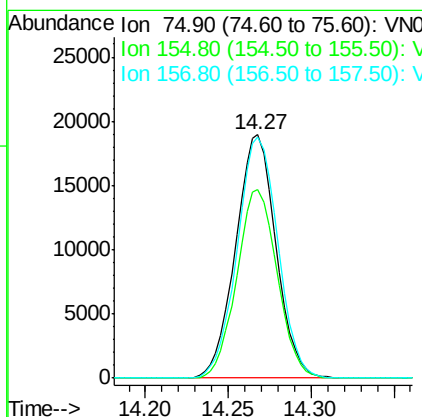
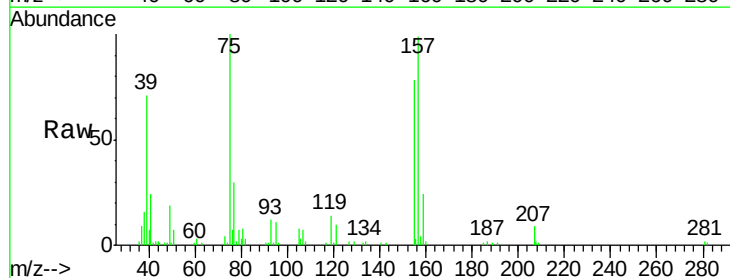
Manual Integrations
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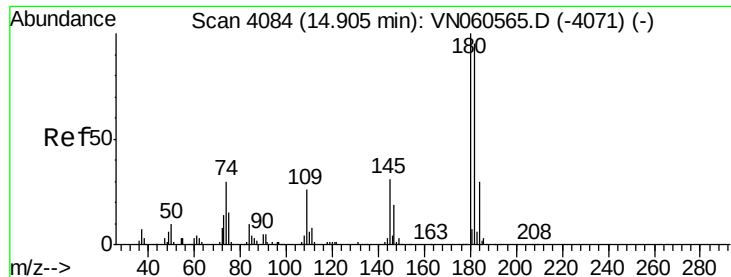
MMDadoda
 4/2/2020 10:13:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.258 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.6	40.7	122.1
157	100.1	51.5	154.7





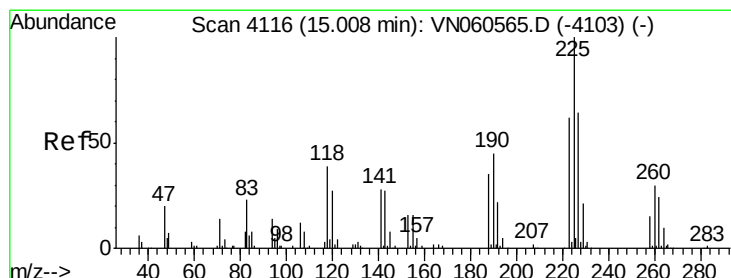
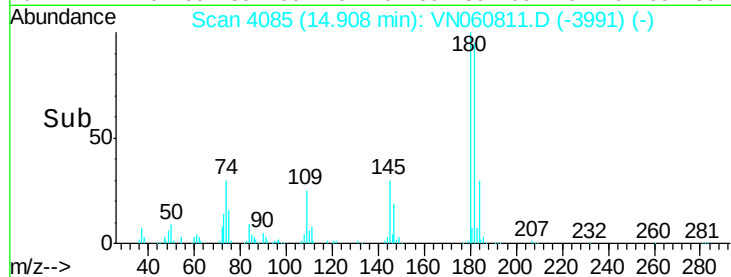
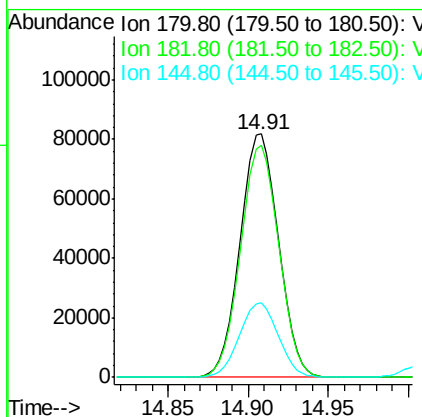
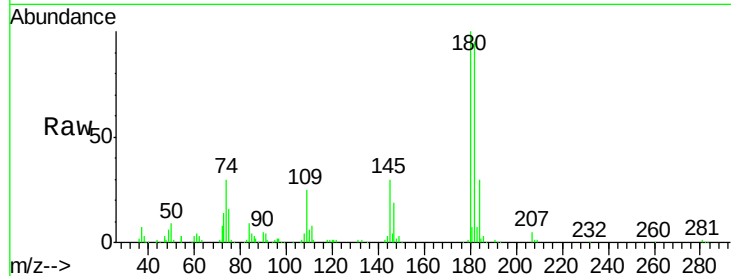
#93
 1,2,4-Trichlorobenzene
 Concen: 48.165 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134110		
182	95.3	47.9	143.8	
145	30.8	15.4	46.2	

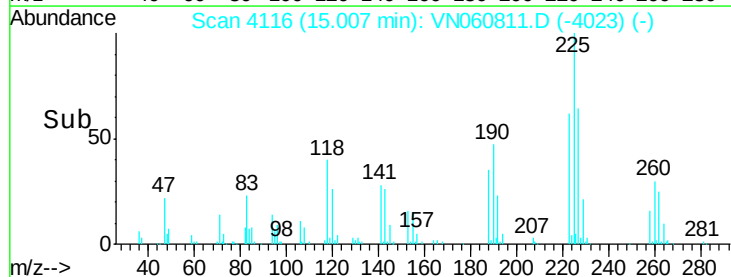
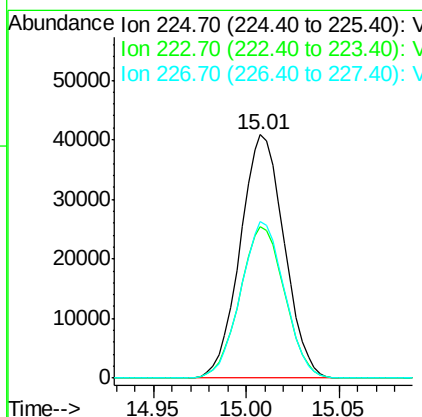
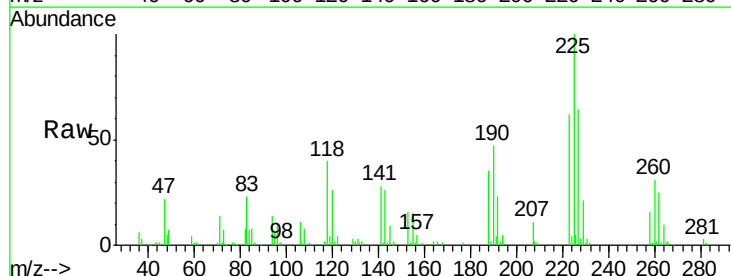
Manual Integrations
 APPROVED

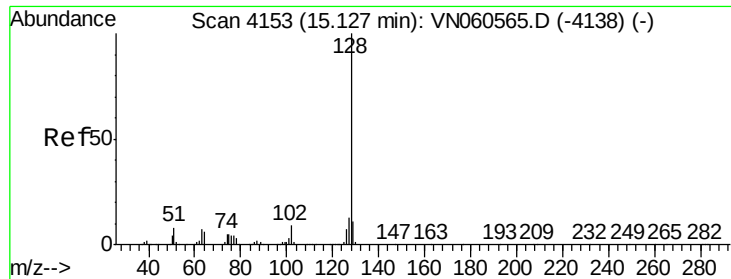
MMDadoda
 4/2/2020 10:13:58 AM



#94
 Hexachlorobutadiene
 Concen: 49.123 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN060811.D
 Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67052		
223	63.3	31.6	95.0	
227	64.1	32.3	96.8	





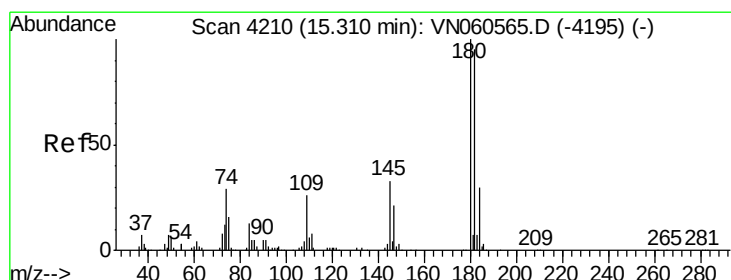
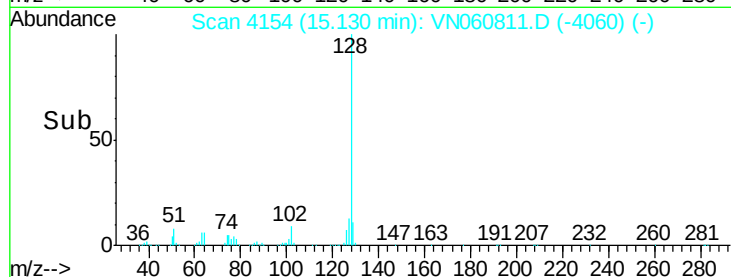
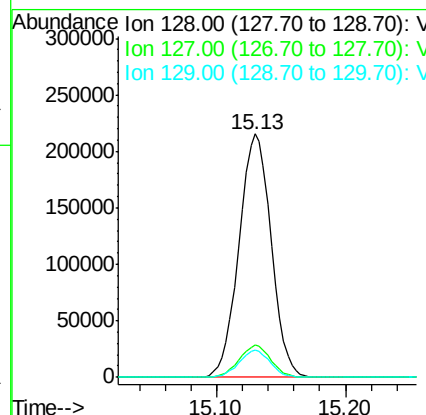
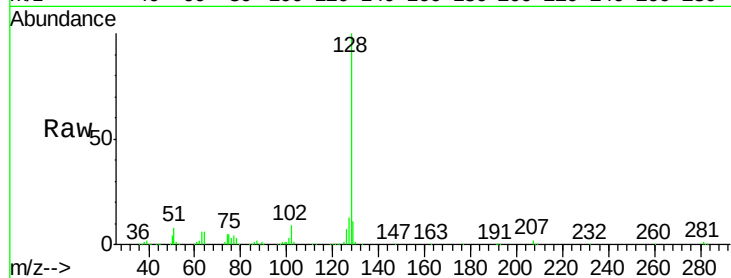
#95
Naphthalene
Concen: 44.620 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	12.8	10.2	15.2	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
4/2/2020 10:13:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.463 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN060811.D
Acq: 1 Apr 2020 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	47.5	142.6	
145	32.0	16.3	48.8	

